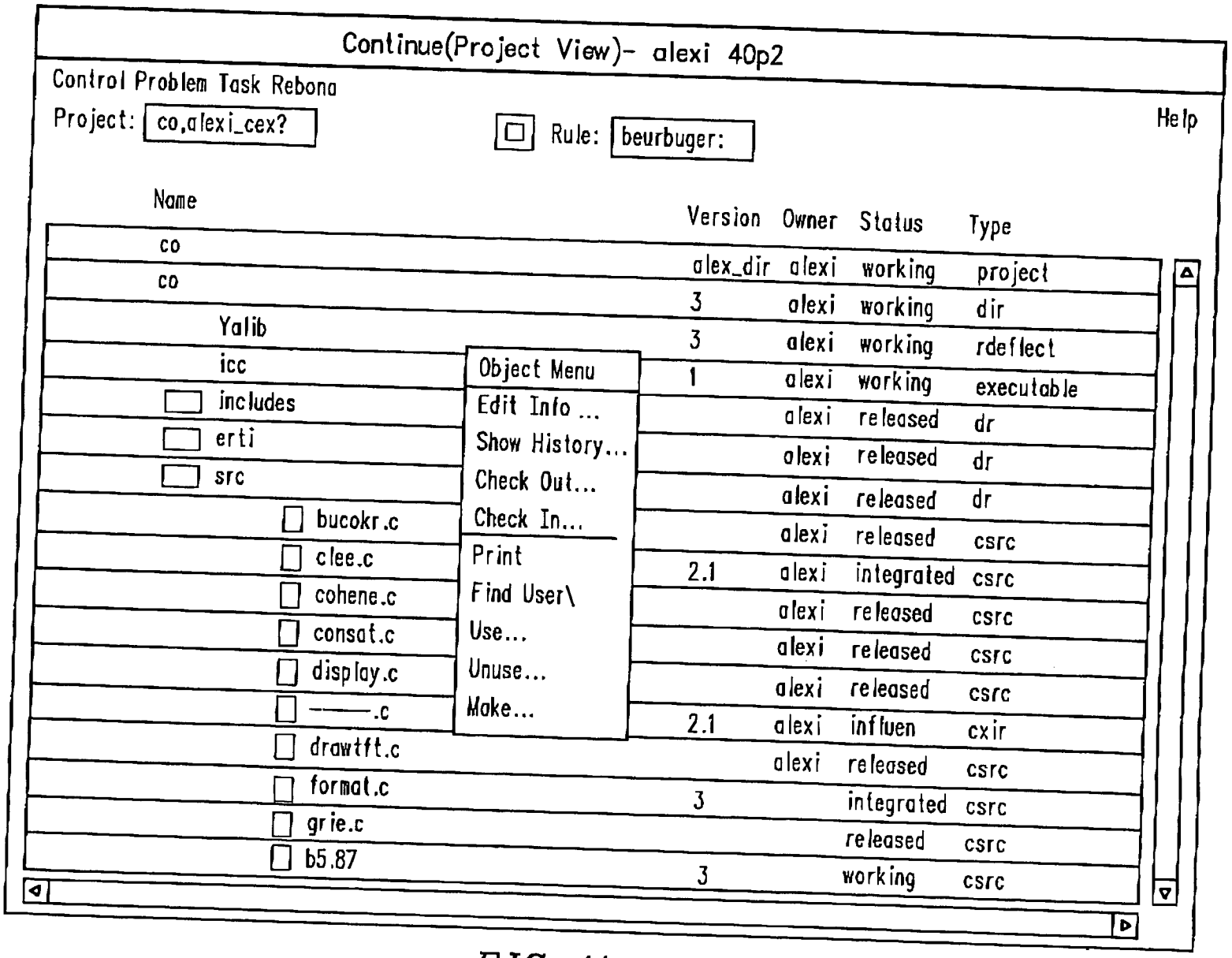

FIG. 1A *(PRIOR ART)*

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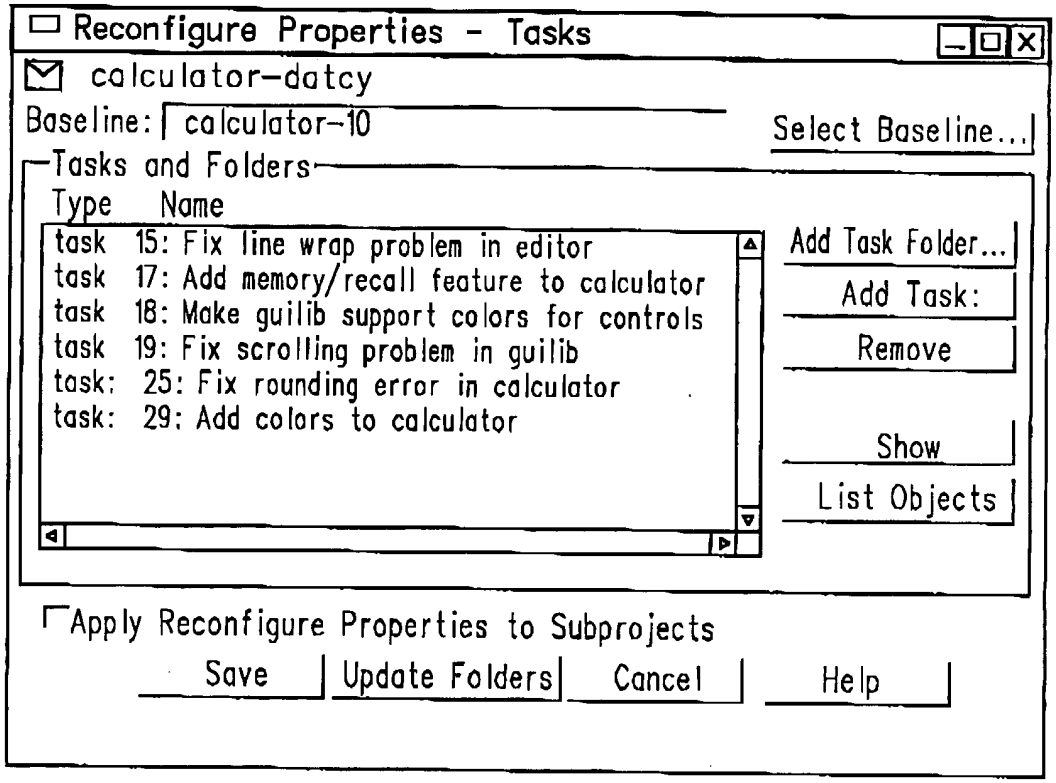

FIG. 1B
(PRIOR ART)

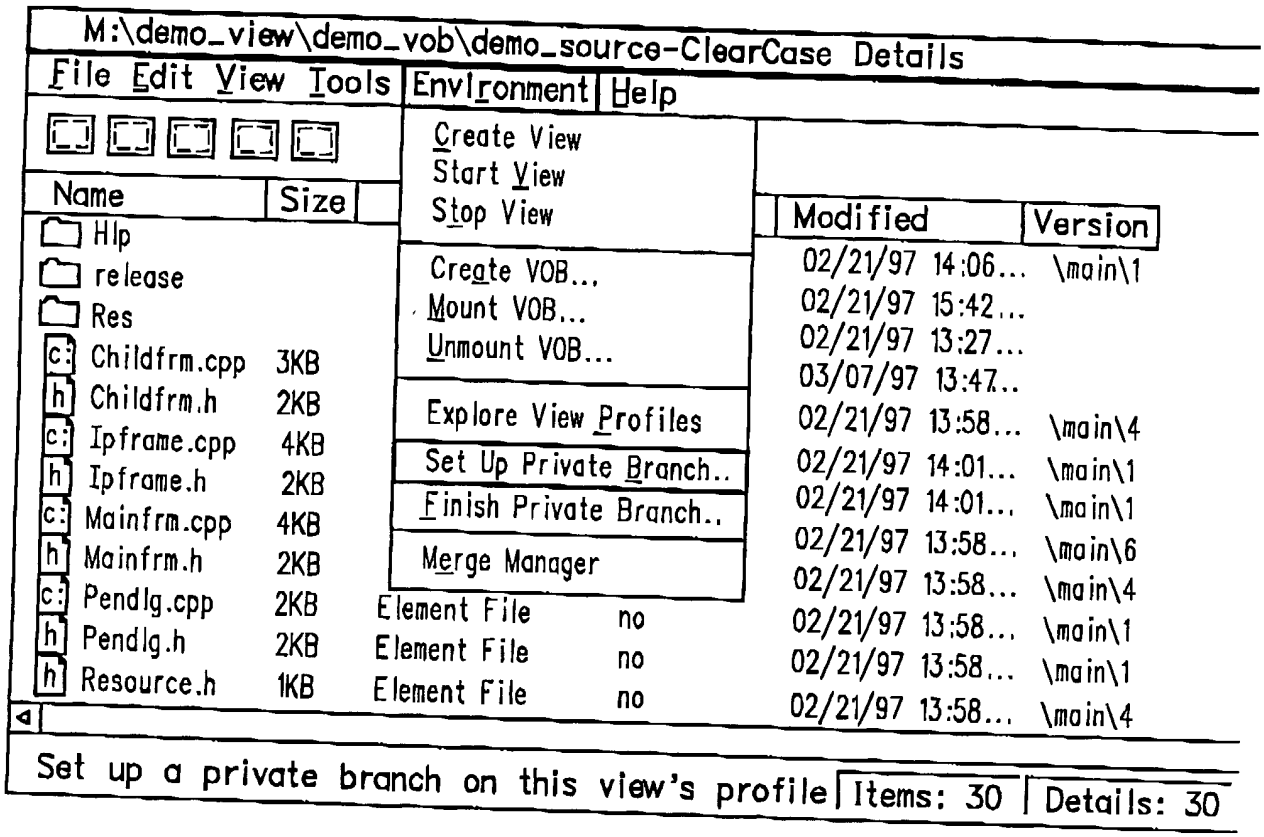

FIG. 1C
(PRIOR ART)

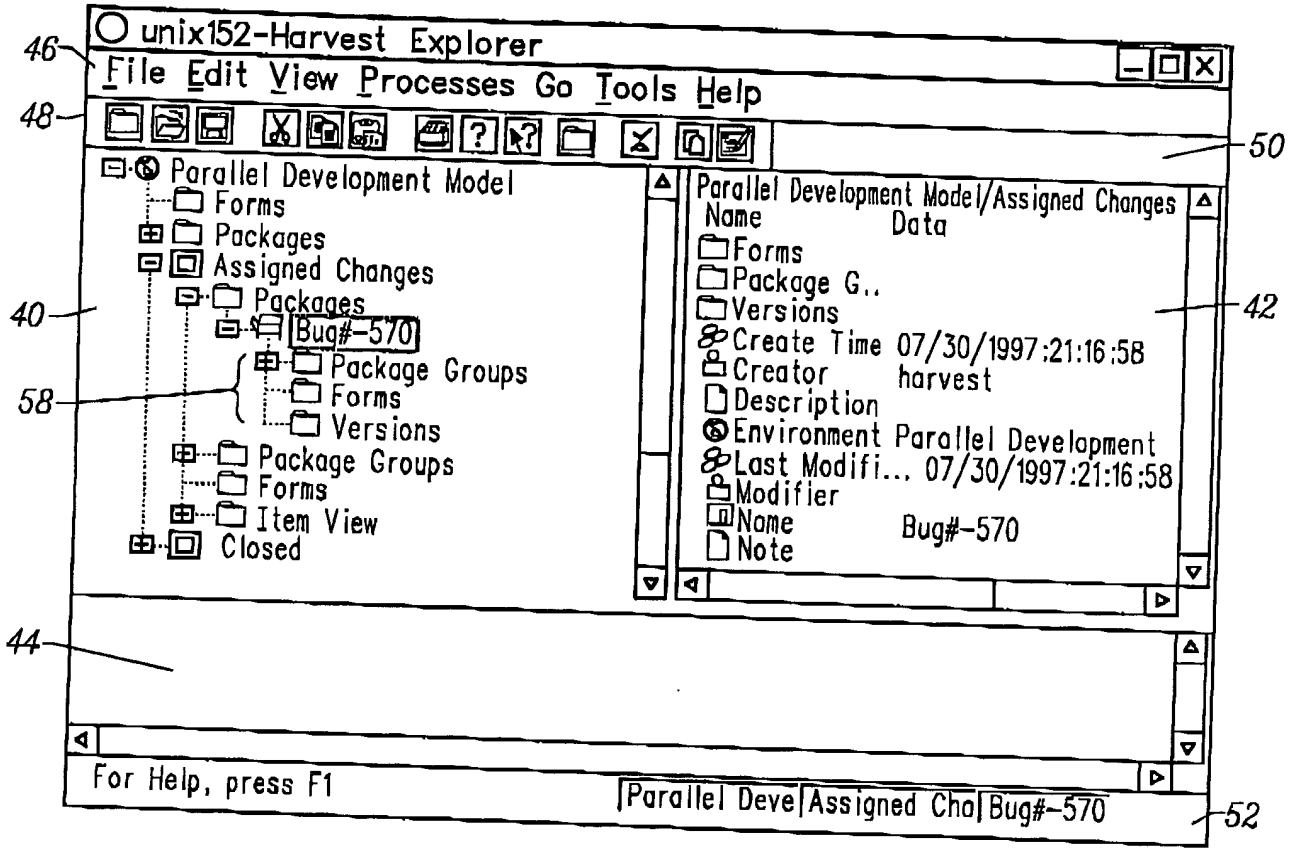
unix152-Harvest Explorer
File Edit View Processes Go Tools Help
Parallel Development Model
Forms
Packages
Assigned Changes
Packages
Bug#-570
Package Groups
Forms
Versions
Package Groups
Forms
Item View
Closed
Parallel Development Model/Assigned Changes
Name Data
Forms
Package G..
Versions
Create Time 07/30/1997:21:16:58
Creator harvest
Description
Environment Parallel Development
Last Modifi... 07/30/1997:21:16:58
Modifier
Name Bug#-570
Note
For Help, press F1
Parallel Deve
Assigned Cha
Bug#-570
46
48
50
40
42
58
44
52

FIG. 2

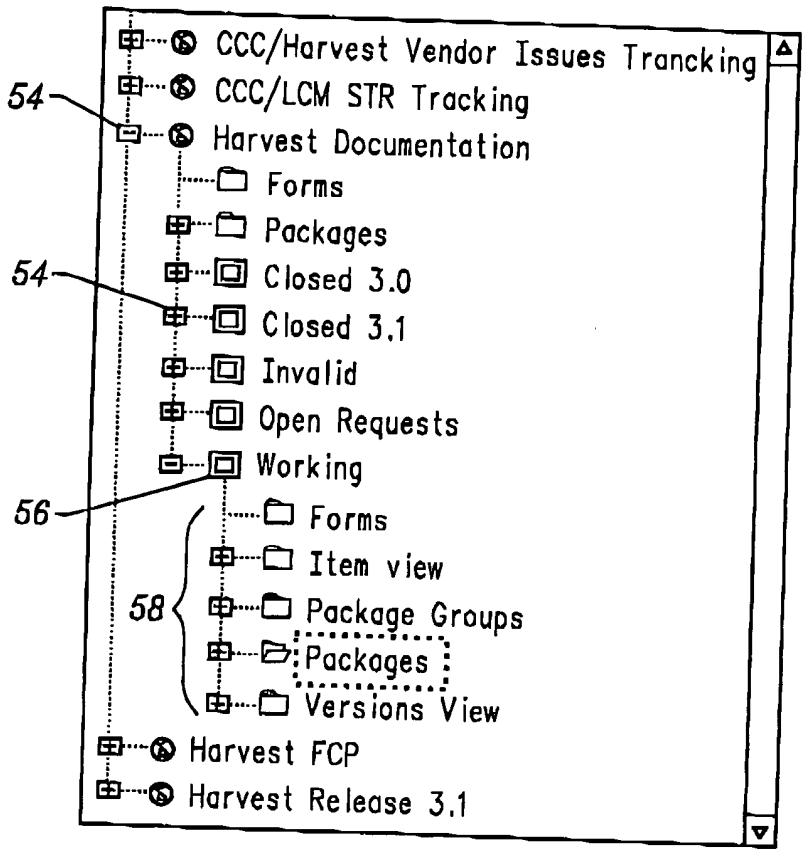
CCC/Harvest Vendor Issues Trancking
CCC/LCM STR Tracking
54
Harvest Documentation
Forms
Packages
54
Closed 3.0
Closed 3.1
Invalid
Open Requests
Working
56
Forms
Item view
58
Package Groups
Packages
Versions View
Harvest FCP
Harvest Release 3.1

FIG. 3

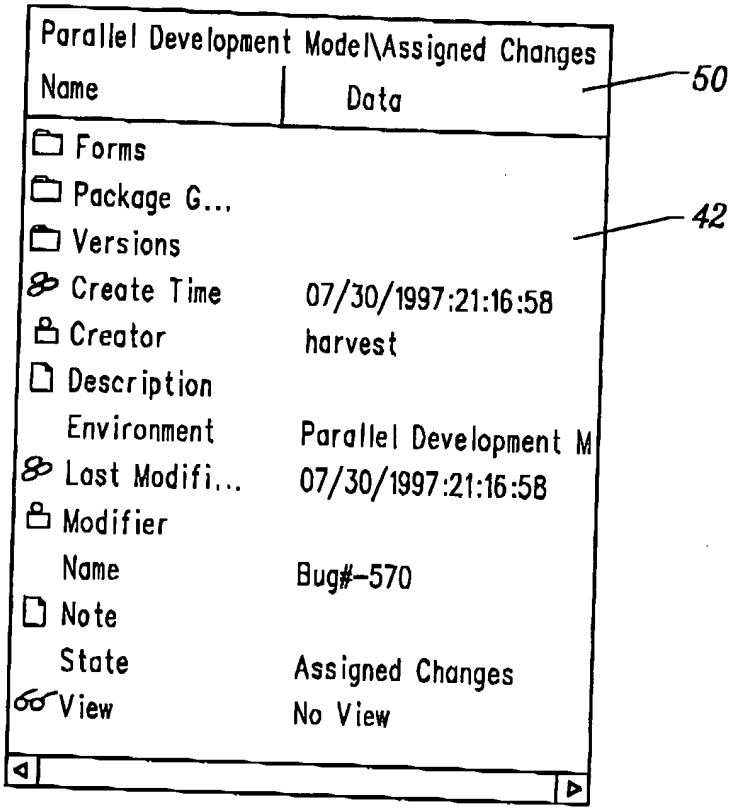
Parallel Development Model\Assigned Changes
Name
Data
50
Forms
Package G...
Versions
42
Create Time
07/30/1997:21:16:58
Creator
harvest
Description
Environment
Parallel Development M
Last Modifi...
07/30/1997:21:16:58
Modifier
Name
Bug#-570
Note
State
Assigned Changes
View
No View

FIG. 4

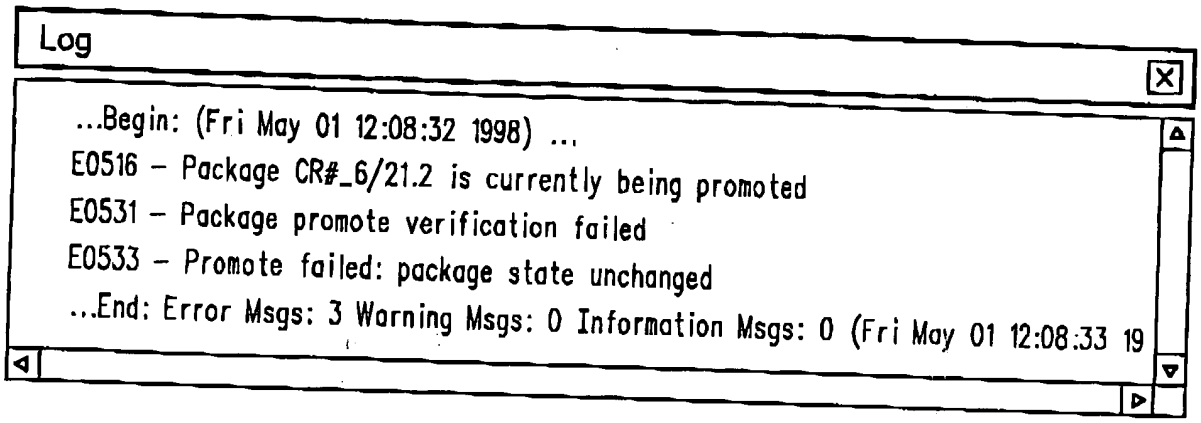
Log
...Begin: (Fri May 01 12:08:32 1998) ...
E0516 – Package CR#_6/21.2 is currently being promoted
E0531 – Package promote verification failed
E0533 – Promote failed: package state unchanged
...End: Error Msgs: 3 Warning Msgs: 0 Information Msgs: 0 (Fri May 01 12:08:33 19

FIG. 5

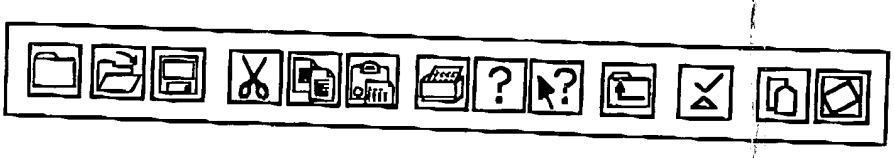

FIG. 6

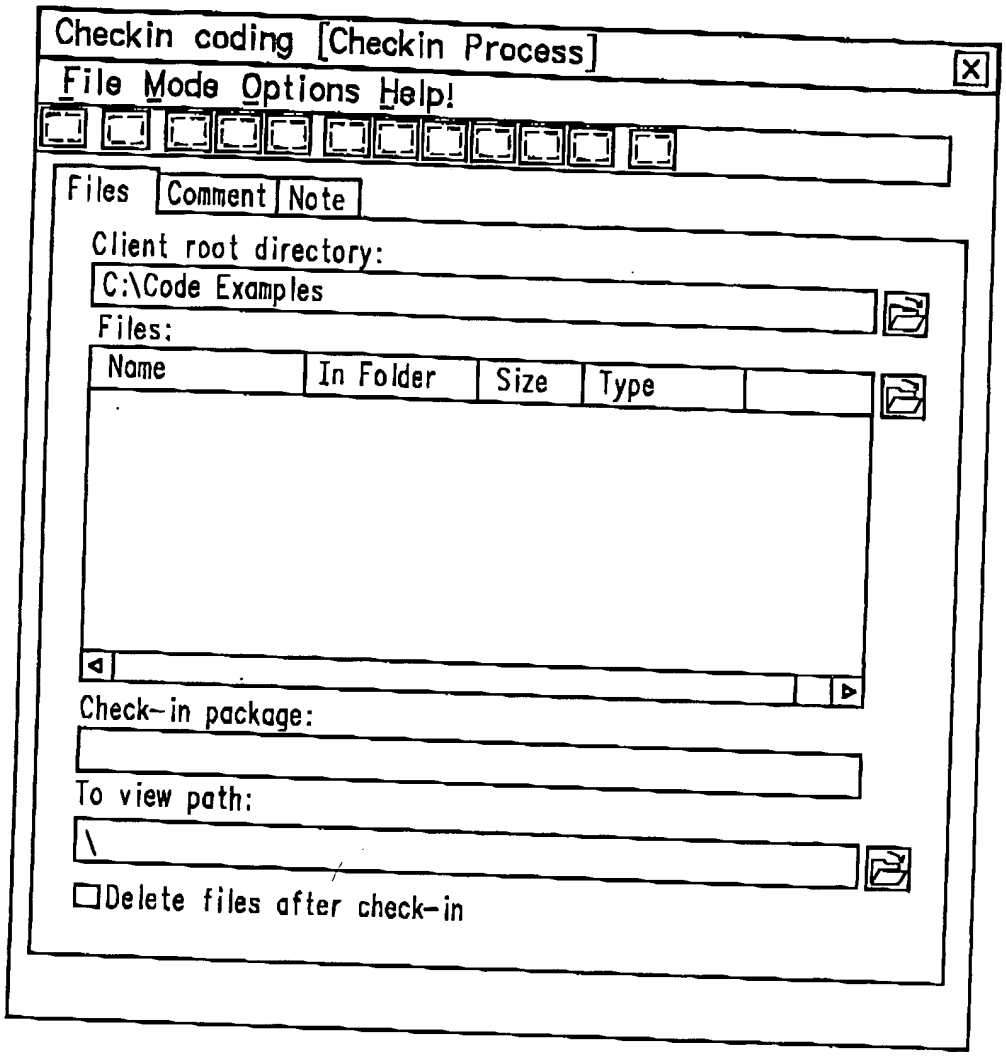
Checkin coding [Checkin Process]
File Mode Options Help!
Files
Comment
Note
Client root directory:
C:\Code Examples
Files:
Name
In Folder
Size
Type
Check-in package:
To view path:
\
Delete files after check-in

FIG. 6A

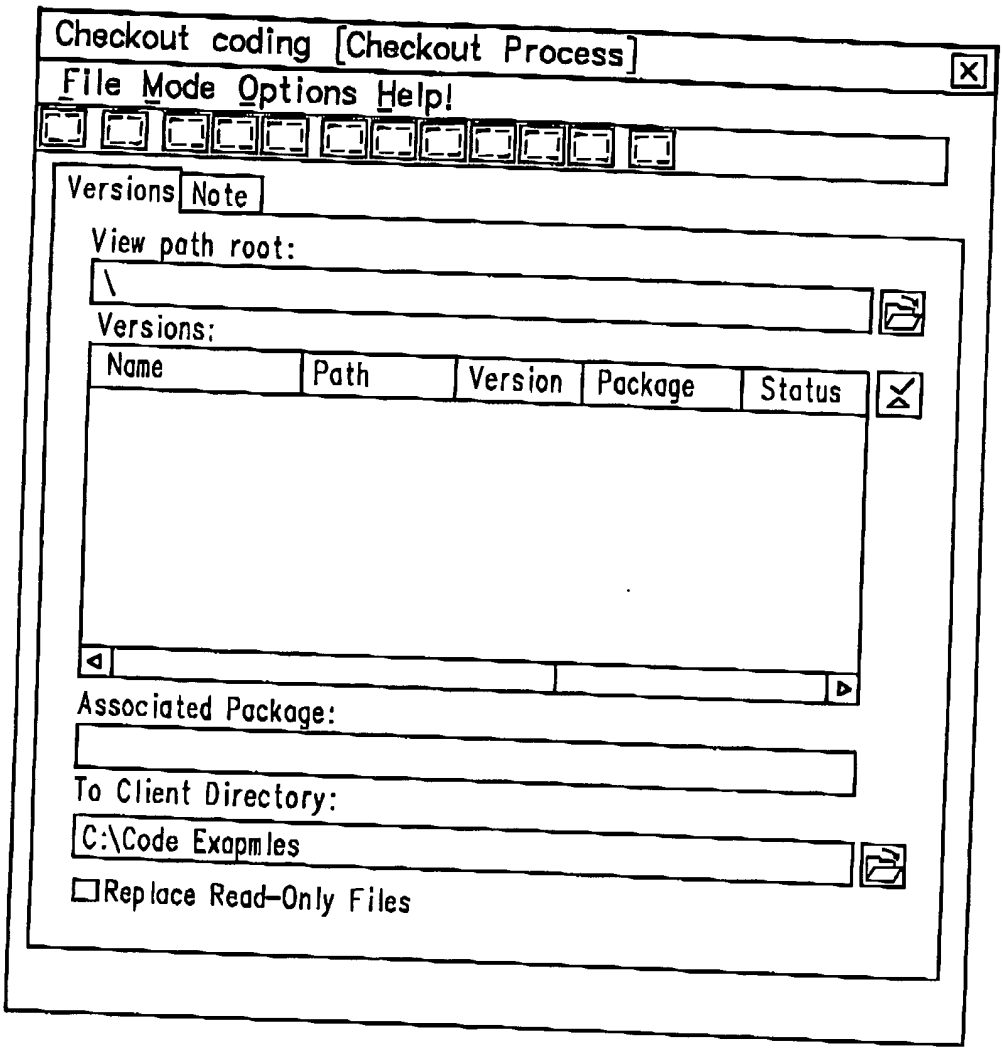
Checkout coding [Checkout Process]
File Mode Options Help!
Versions
Note
View path root:
\
Versions:
Name
Path
Version
Package
Status
Associated Package:
To Client Directory:
C:\Code Exapmles
Replace Read-Only Files

FIG. 6B

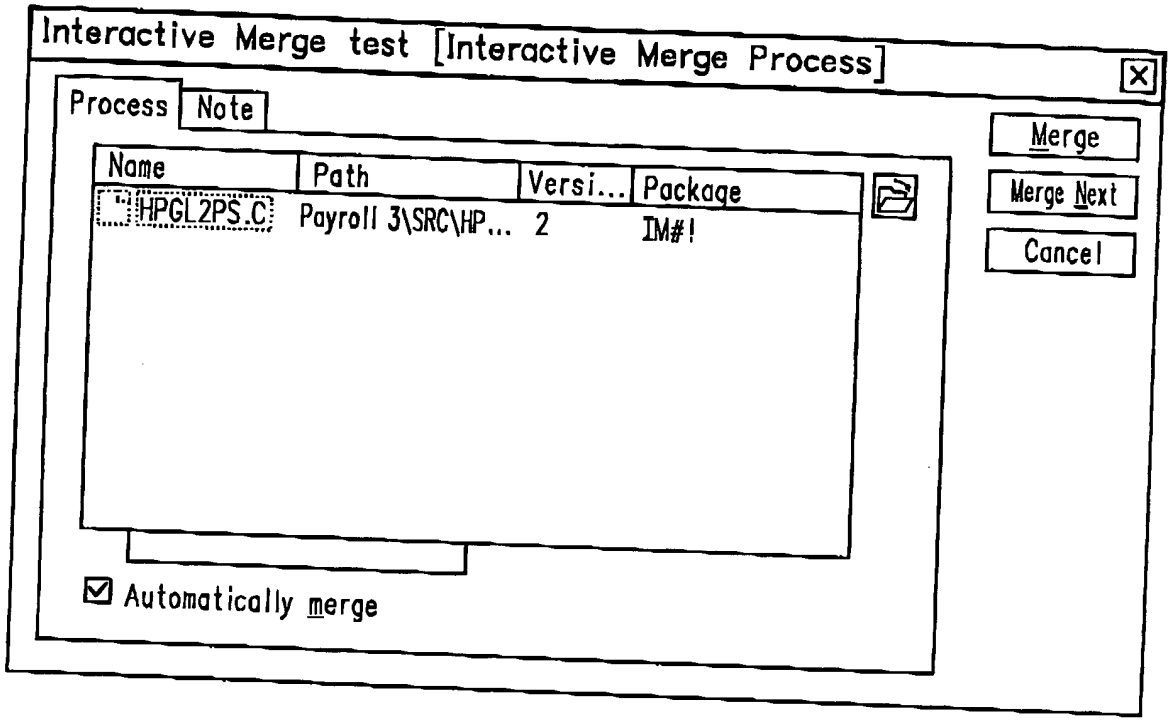
Interactive Merge test [Interactive Merge Process]
Process
Note
Merge
Merge Next
Cancel
Name
Path
Versi...
Package
HPGL2PS.C
Payroll 3\SRC\HP...
2
IM#!
Automatically merge

FIG. 6C

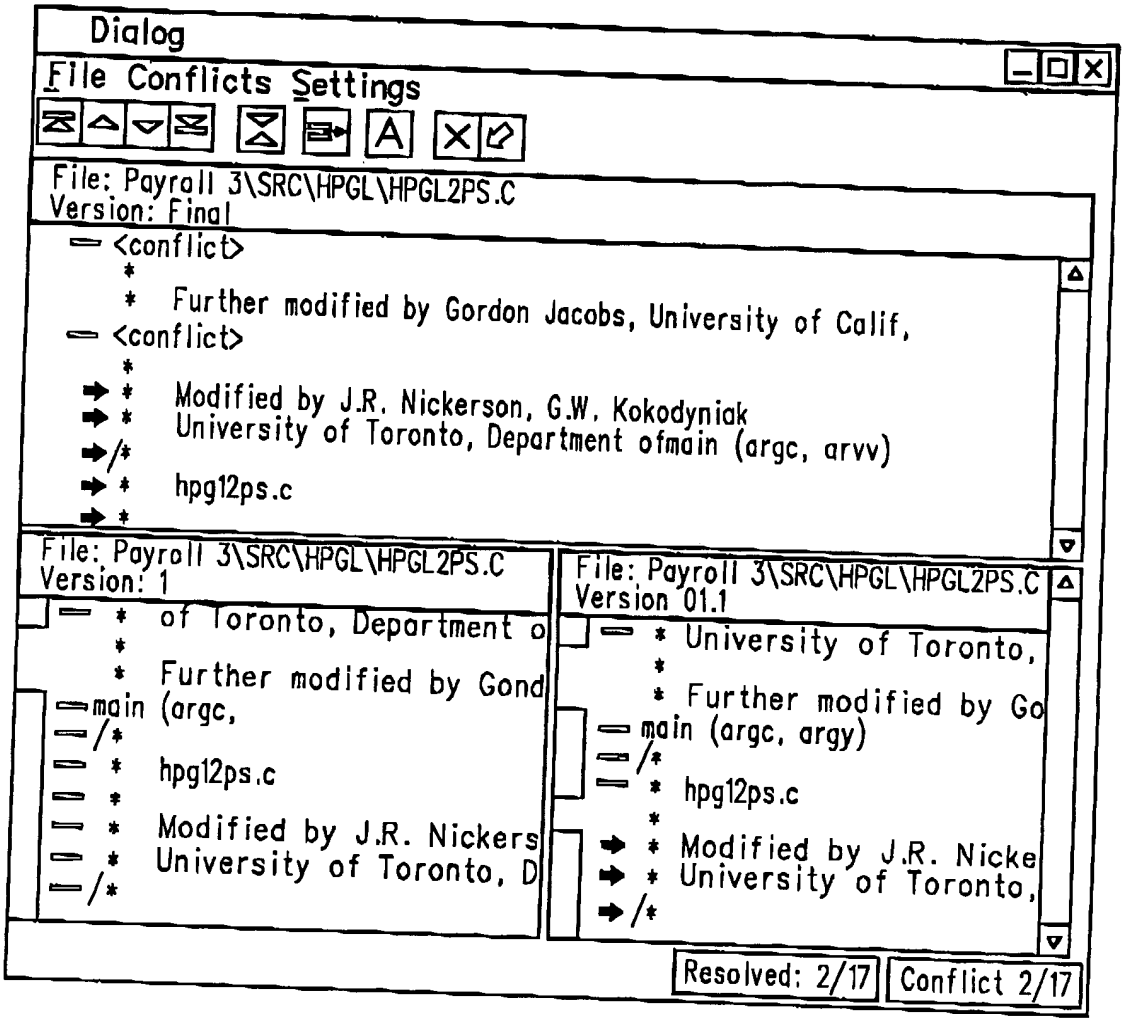
Dialog
File Conflicts Settings
File: Payroll 3\SRC\HPGL\HPGL2PS.C
Version: Final
<conflict>
* Further modified by Gordon Jacobs, University of Calif,
<conflict>
* Modified by J.R. Nickerson, G.W. Kokodyniak
* University of Toronto, Department ofmain (argc, arvv)
/*
* hpg12ps.c
*
File: Payroll 3\SRC\HPGL\HPGL2PS.C
Version: 1
* of Toronto, Department o
*
* Further modified by Gond
main (argc,
/*
* hpg12ps.c
*
* Modified by J.R. Nickers
* University of Toronto, D
/*
File: Payroll 3\SRC\HPGL\HPGL2PS.C
Version 01.1
* University of Toronto,
*
* Further modified by Go
main (argc, argv)
/*
* hpg12ps.c
*
* Modified by J.R. Nicke
* University of Toronto,
/*
Resolved: 2/17
Conflict 2/17

FIG. 6D

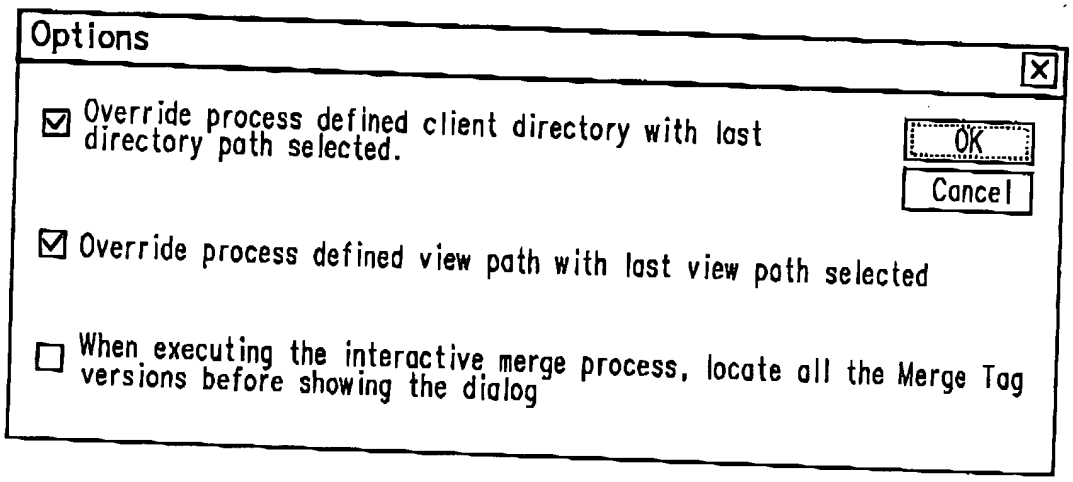
Options
Override process defined client directory with last directory path selected.
OK
Cancel
Override process defined view path with last view path selected
When executing the interactive merge process, locate all the Merge Tag versions before showing the dialog

FIG. 7

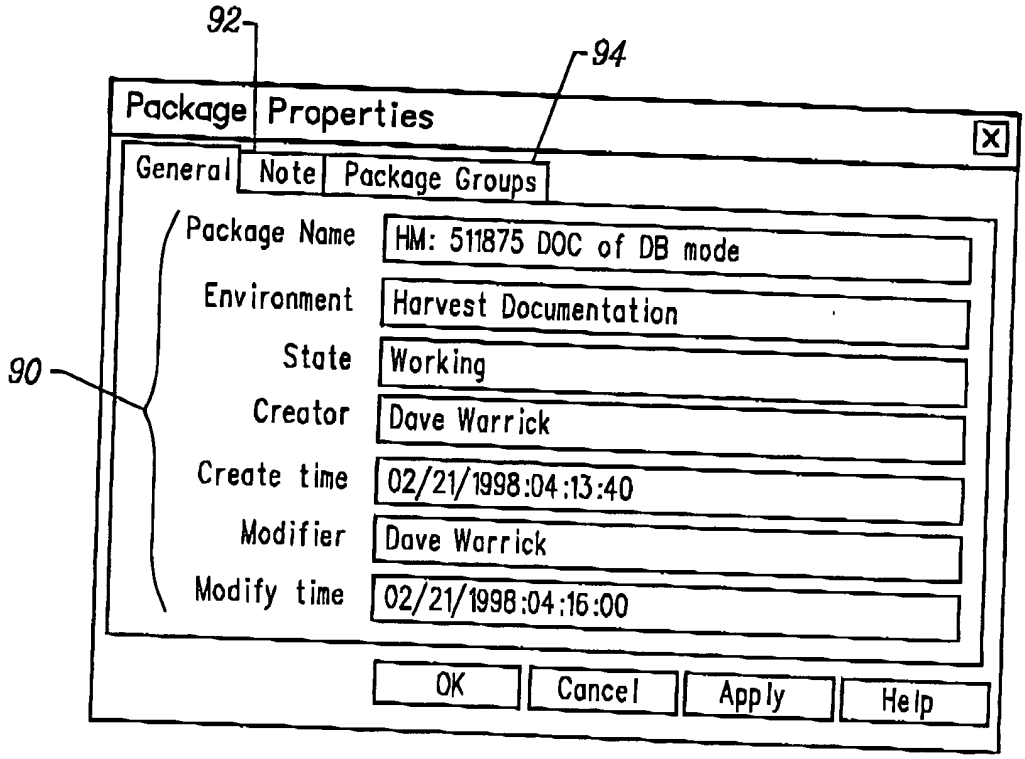
92
94
90
Package Properties
General
Note
Package Groups
Package Name
HM: 511875 DOC of DB mode
Environment
Harvest Documentation
State
Working
Creator
Dave Warrick
Create time
02/21/1998:04:13:40
Modifier
Dave Warrick
Modify time
02/21/1998:04:16:00
OK
Cancel
Apply
Help

FIG. 8

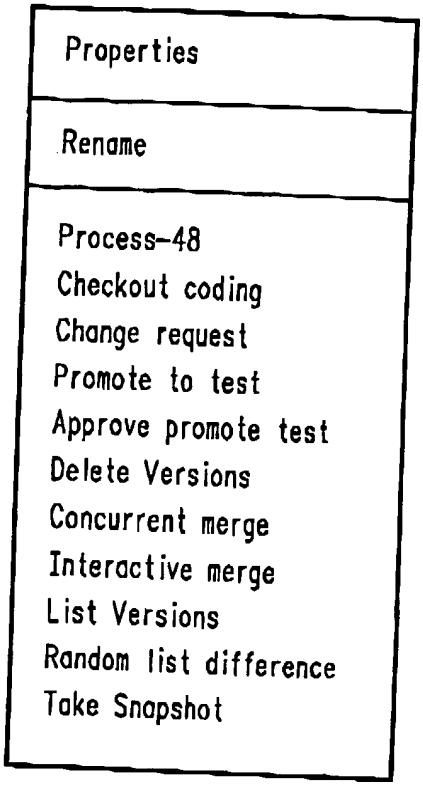
Properties
Rename
Process-48
Checkout coding
Change request
Promote to test
Approve promote test
Delete Versions
Concurrent merge
Interactive merge
List Versions
Random list difference
Take Snapshot

FIG. 8A

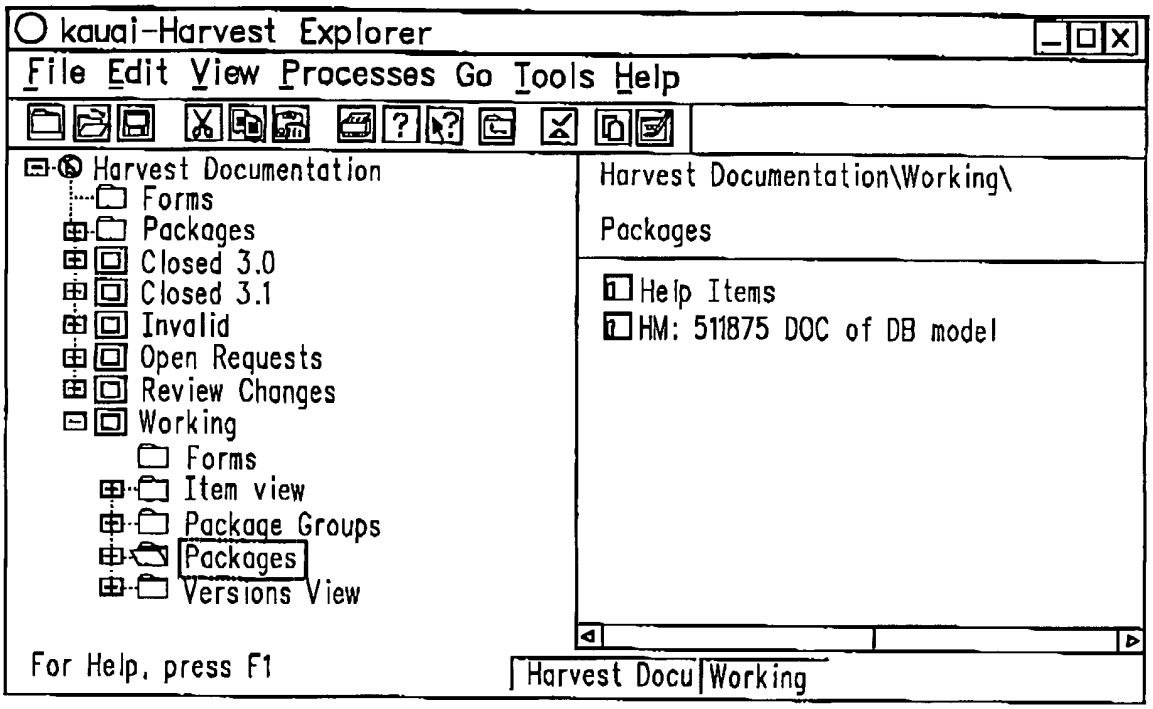
kauai-Harvest Explorer
File Edit View Processes Go Tools Help
Harvest Documentation
Forms
Packages
Closed 3.0
Closed 3.1
Invalid
Open Requests
Review Changes
Working
Forms
Item view
Package Groups
Packages
Versions View
Harvest Documentation\Working\
Packages
Help Items
HM: 511875 DOC of DB model
For Help, press F1
Harvest Docu
Working

FIG. 9

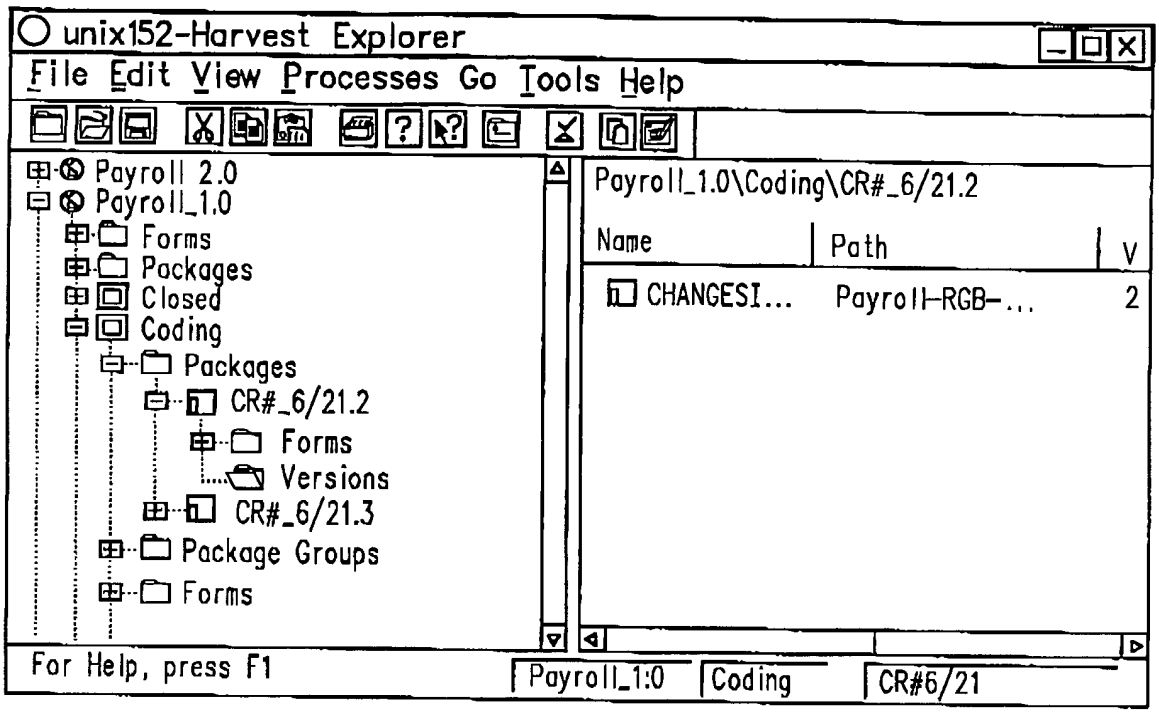
unix152-Harvest Explorer
File Edit View Processes Go Tools Help
Payroll 2.0
Payroll_1.0
Forms
Packages
Closed
Coding
Packages
CR#_6/21.2
Forms
Versions
CR#_6/21.3
Package Groups
Forms
Payroll_1.0\Coding\CR#_6/21.2
Name
Path
V
CHANGESI...
Payroll-RGB-...
2
For Help, press F1
Payroll_1:0
Coding
CR#6/21

FIG. 10

NO. 4416 P. 18

Harvest Documentaiton\Working\Help Items

Name	Path	Version	Package	Status	Size	User	File Date/Time
101CLOSE ...	Harvest_D...		Help Ite...	Reser...		Olin...	02/23/1998:20:2...
102CLOSE...	Harvest_D...		Help Ite...	Reser...		Olin...	02/23/1998:20:3...
110 CLOSE...	Harvest_D...		Help Ite...	Reser...		Olin...	02/23/1998:20:4...
ALL.BMP	Harvest_D...	1	Help Ite...	Remo...		Gina...	02/23/1998:21:1...
CMCHECK...	Harvest_D...		Help Ite...	Reser...		Olin...	02/23/1998:20:2...
D_event_lis...	Harvest_D...	2	Help Ite...	Remo...		Gina...	02/23/1998:21:1...
d_example...	Harvest_D...	1	Help Ite...	Remo...		Gina...	02/23/1998:21:1...
d_example...	Harvest_D...	1	Help Ite...	Remo...		Gina...	02/23/1998:21:1...
d_example...	Harvest_D...	1	Help Ite...	Remo...		Gina...	02/23/1998:21:1...

FIG. 11

MAY. 23. 2002 9:28AM

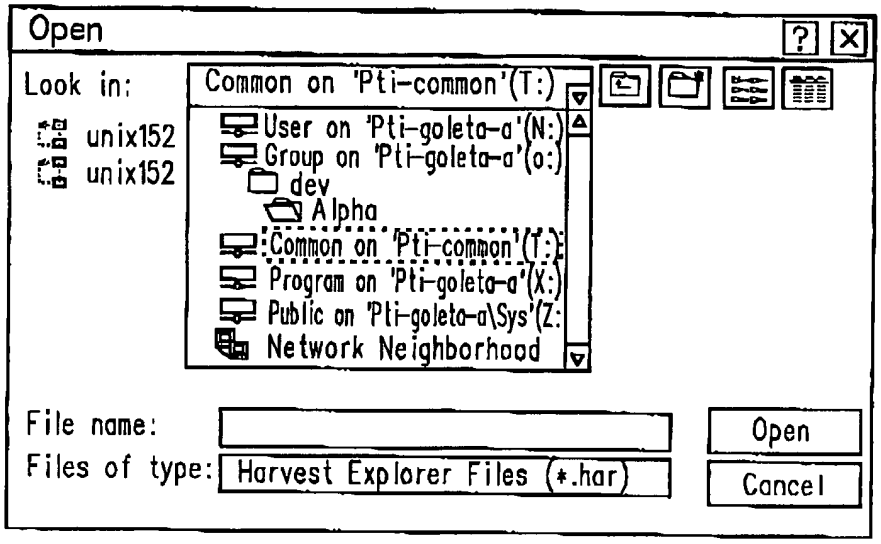

FIG. 12

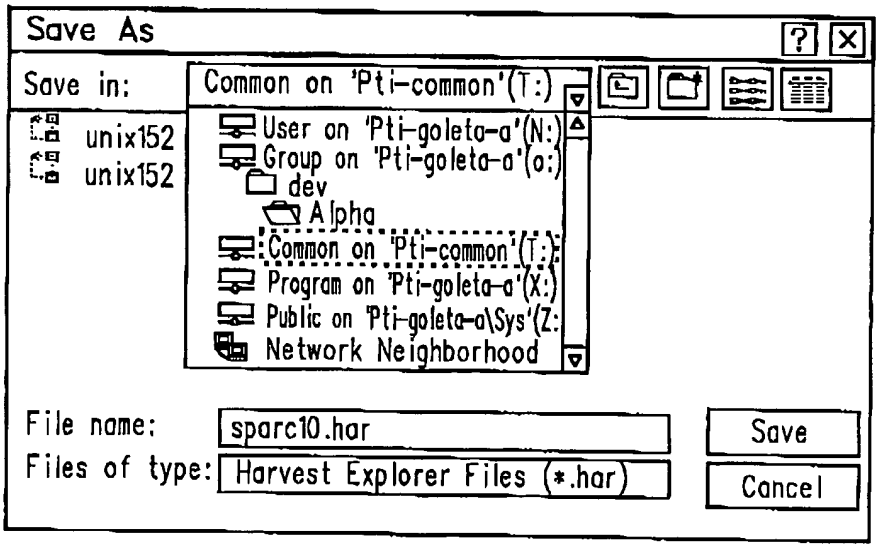

FIG. 13

MAY. 23. 2002 9:28AM NO. 4416 P. 19

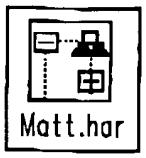

FIG. 14

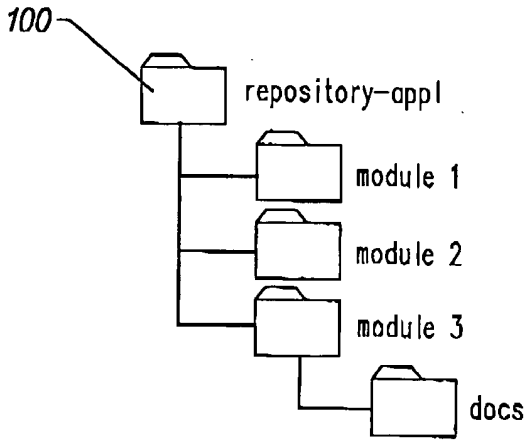

FIG. 15

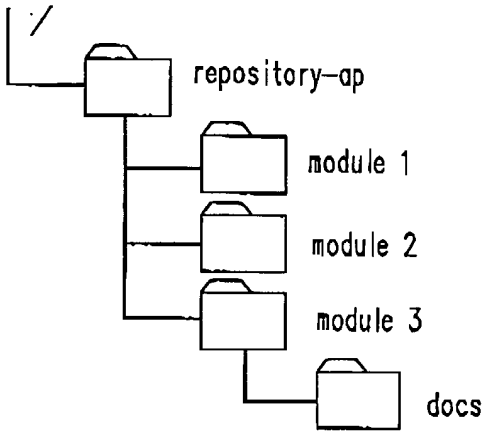
/
repository-ap
module 1
module 2
module 3
docs

FIG. 16

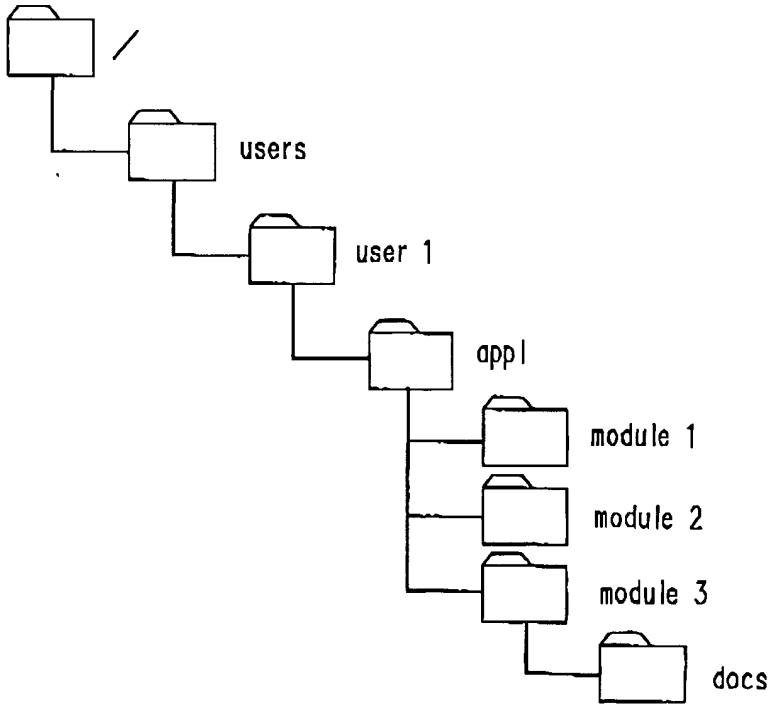
/
users
user 1
appl
module 1
module 2
module 3
docs

FIG. 17

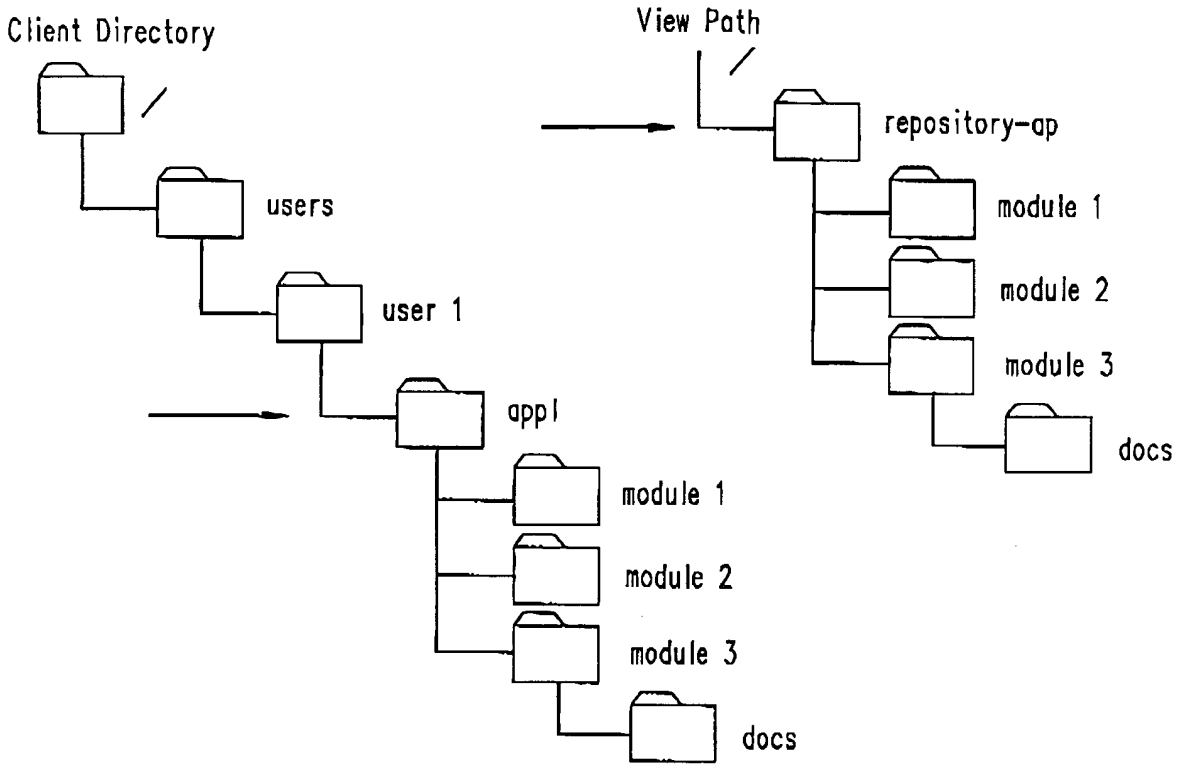
Client Directory
users
user 1
appl
module 1
module 2
module 3
docs
View Path
repository-ap
module 1
module 2
module 3
docs

FIG. 18

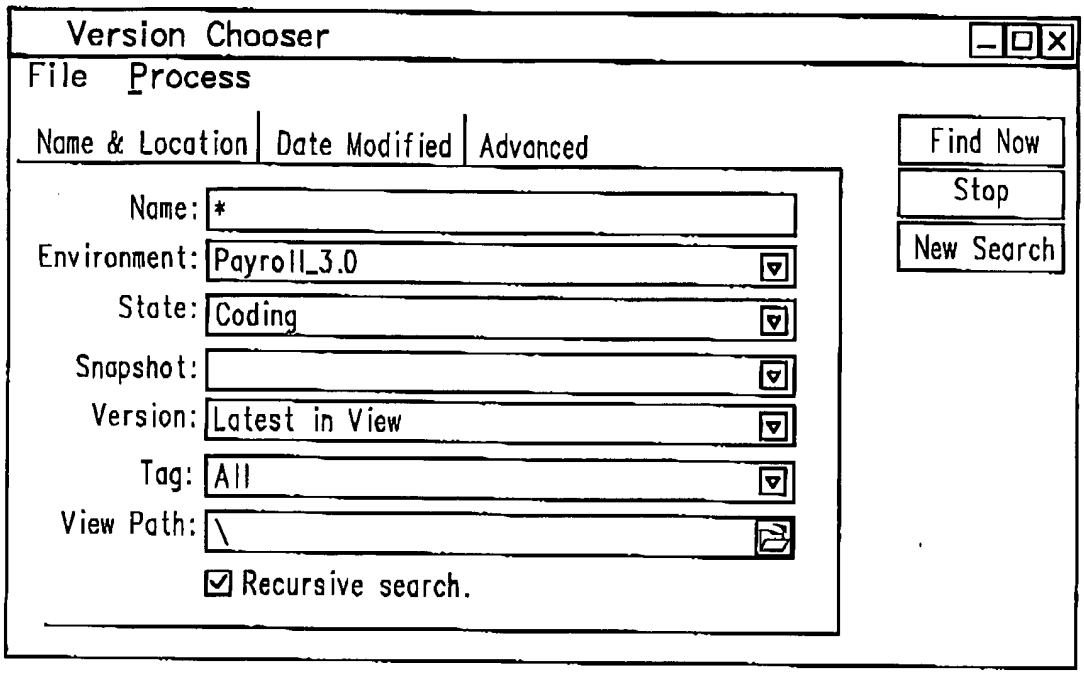

FIG. 19

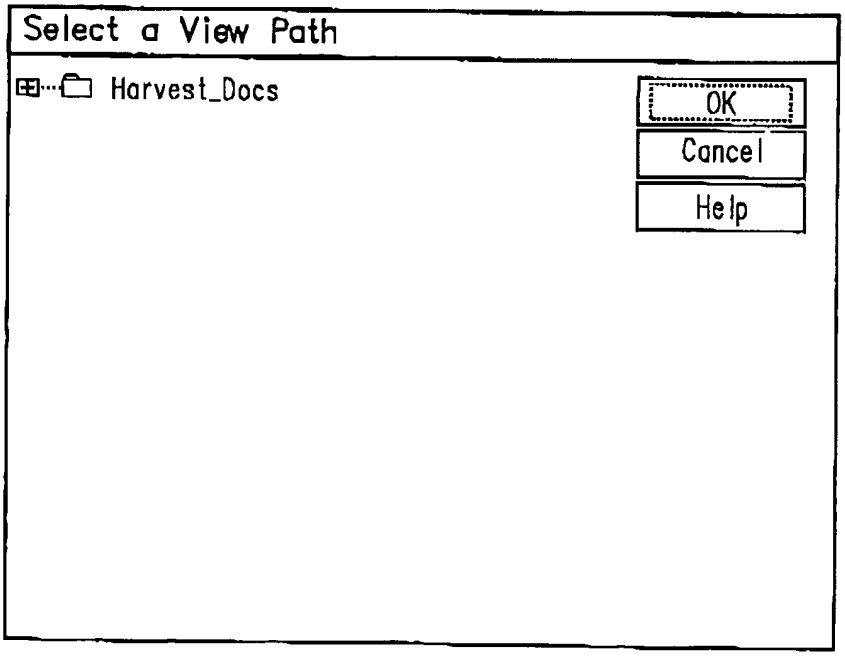

FIG. 20

MAY. 23. 2002 9:29AM NO. 4416 P. 23

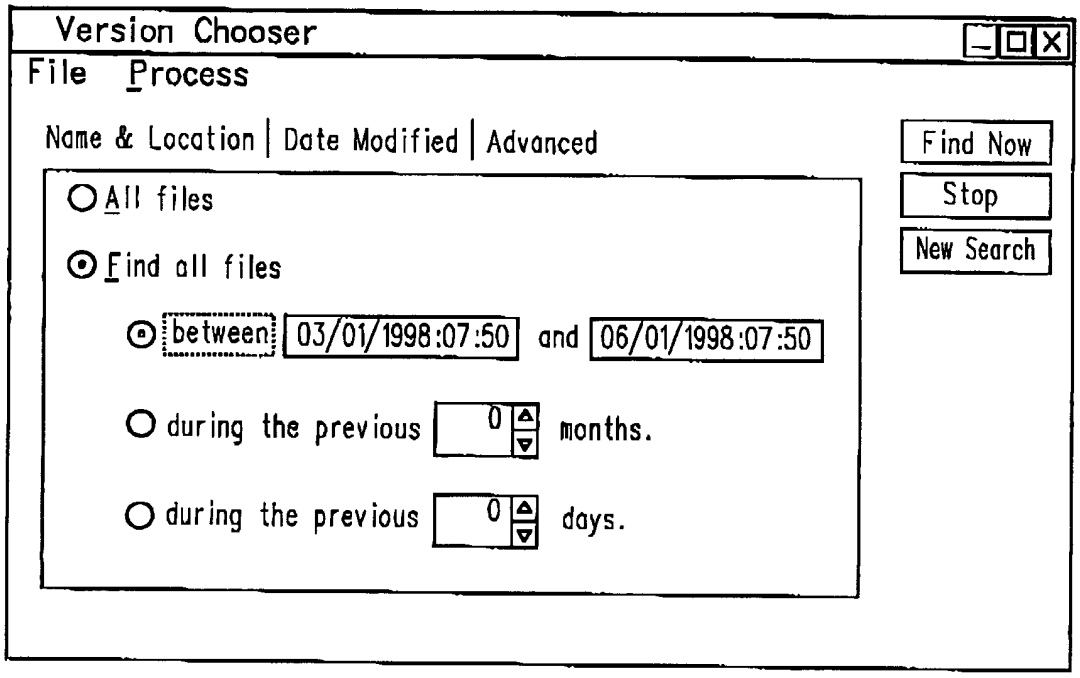

FIG. 21

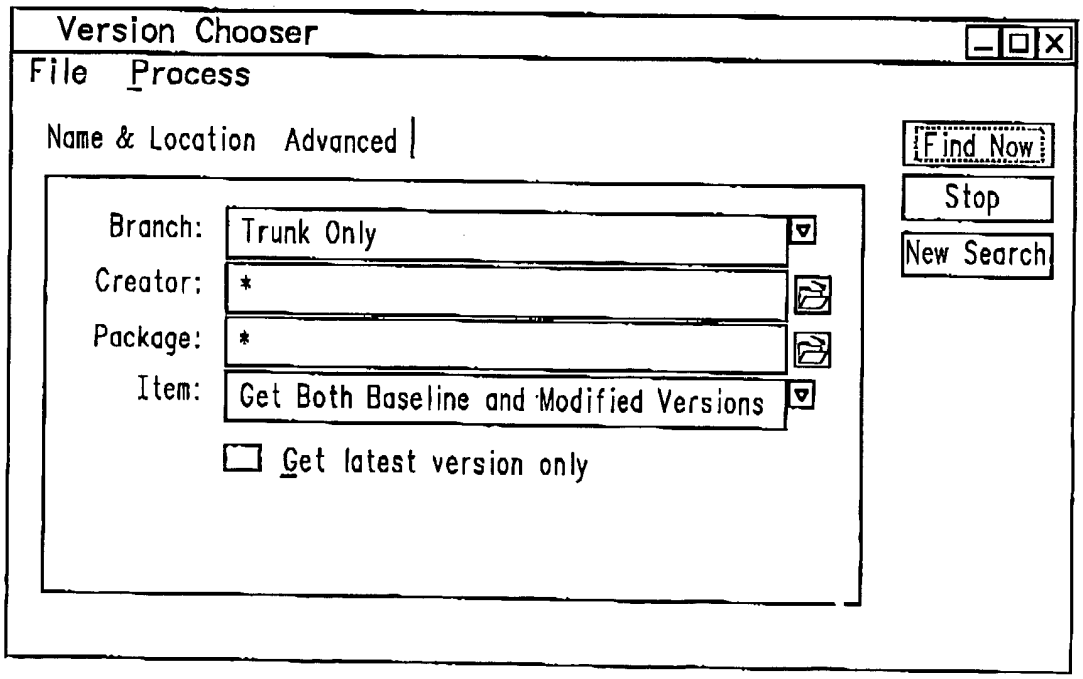

FIG. 22

MAY. 23. 2002 9:29AM NO. 4416 P. 24

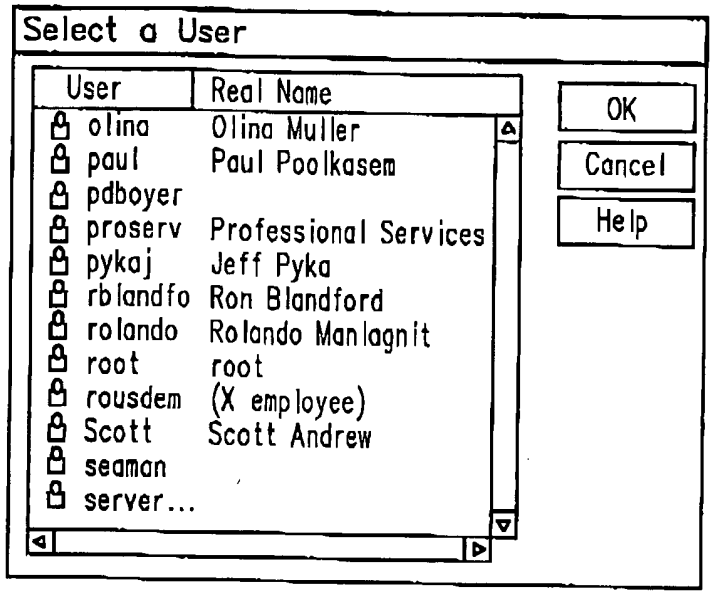

FIG. 23

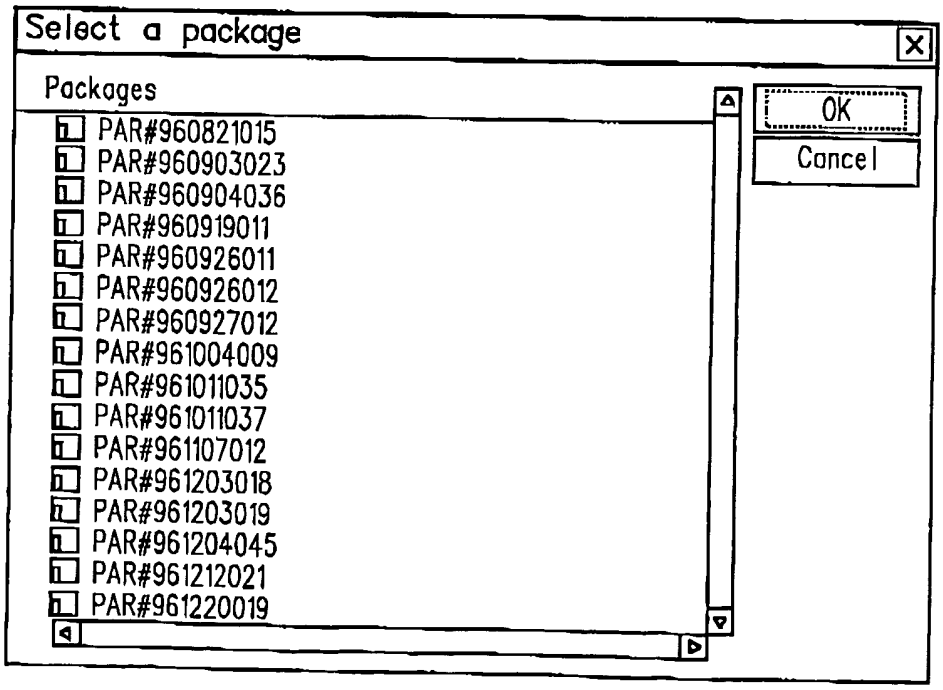

FIG. 24

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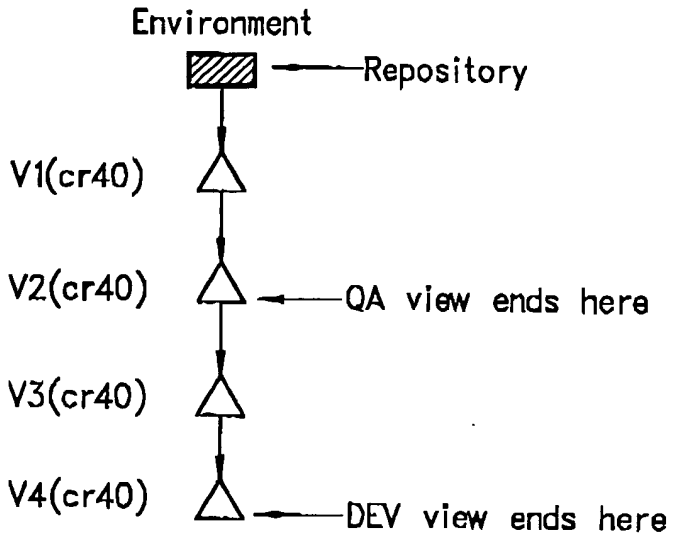
Environment
Repository
V1(cr40)
V2(cr40)
QA view ends here
V3(cr40)
V4(cr40)
DEV view ends here

FIG. 25

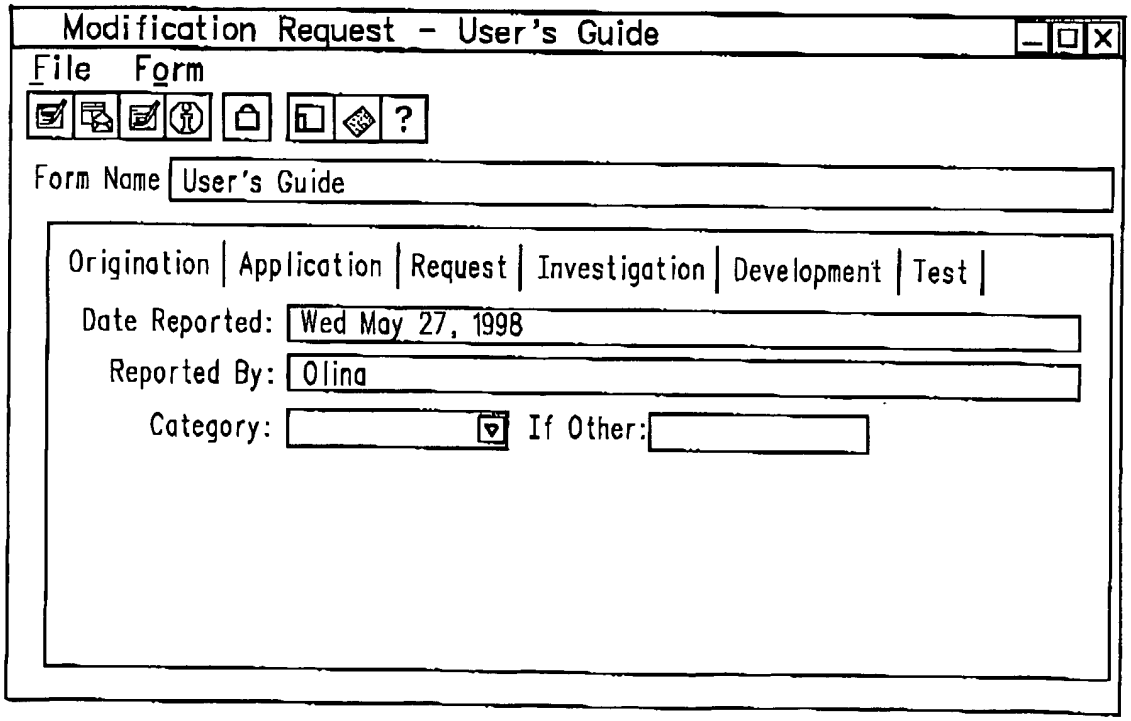
Modification Request - User's Guide
File Form
Form Name User's Guide
Origination | Application | Request | Investigation | Development | Test |
Date Reported: Wed May 27, 1998
Reported By: Olina
Category:
If Other:

FIG. 26

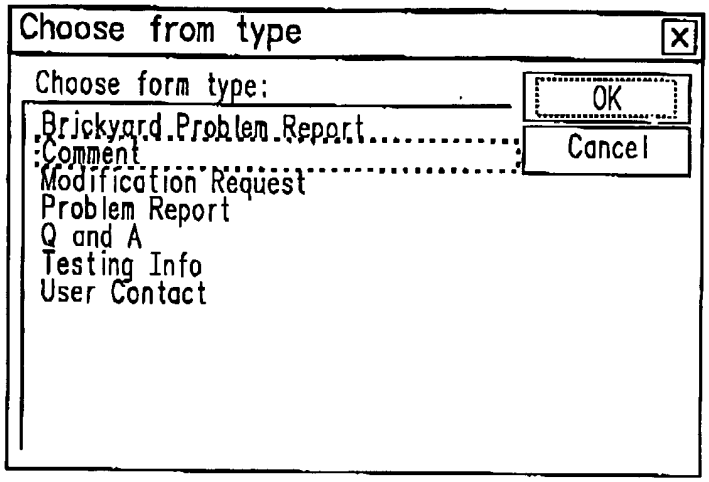

FIG. 27

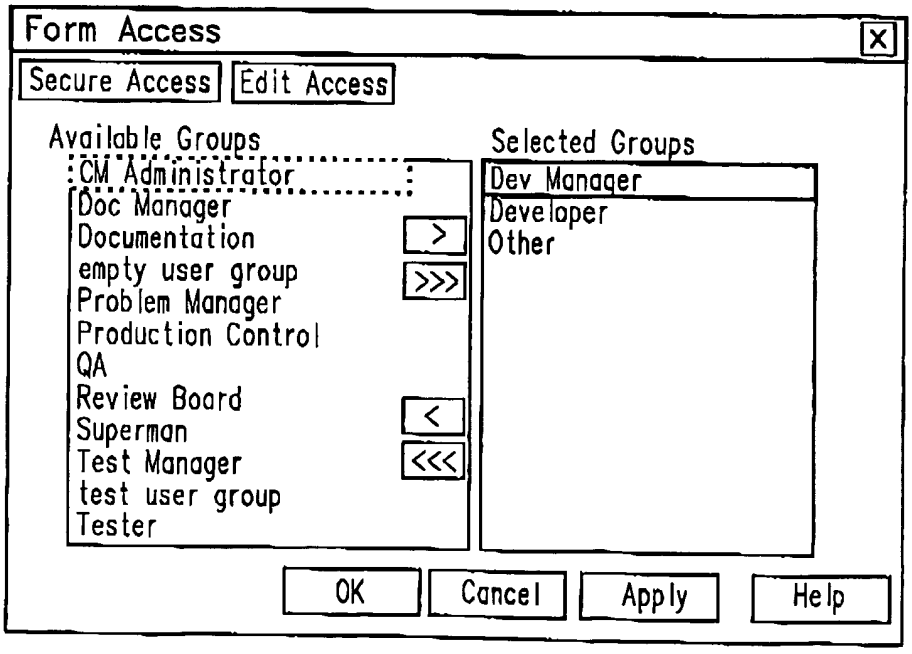

FIG. 28

MAY. 23. 2002 9:29AM NO. 4416 P. 27

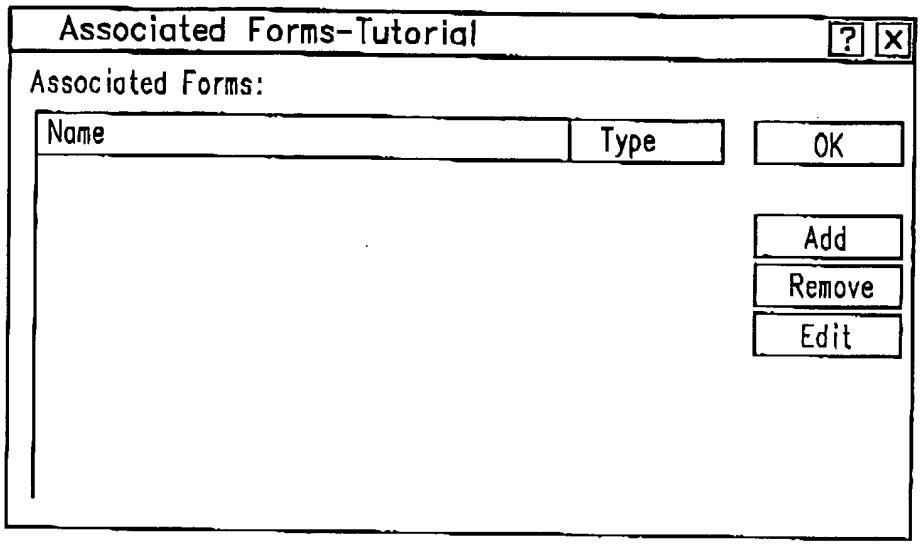
Associated Forms-Tutorial
Associated Forms:
Name
Type
OK
Add
Remove
Edit

FIG. 29

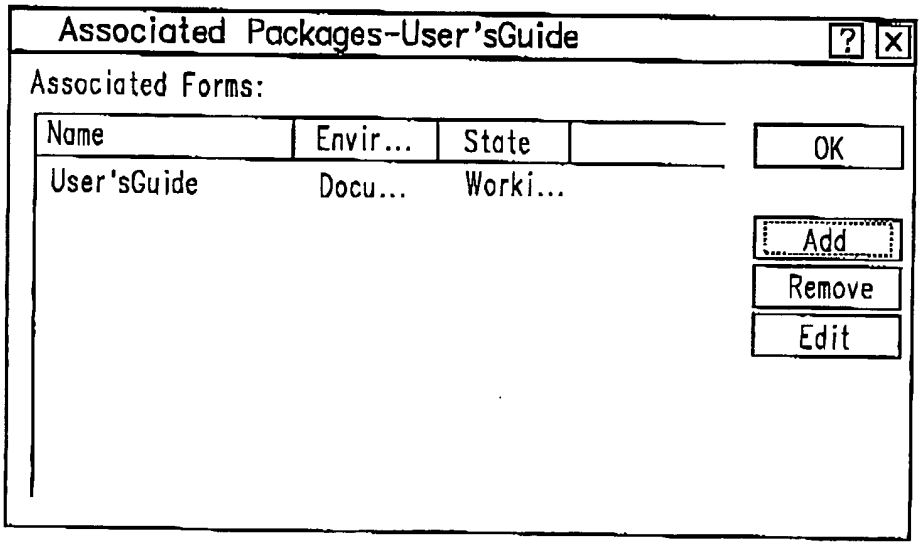
Associated Packages-User'sGuide
Associated Forms:
Name
Envir...
State
User'sGuide
Docu...
Worki...
OK
Add
Remove
Edit

FIG. 30

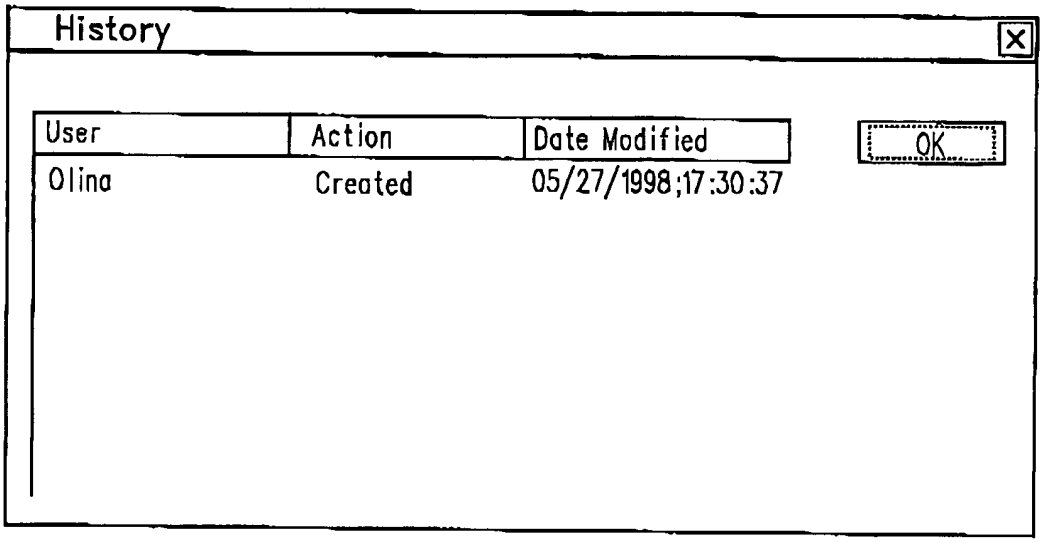

FIG. 31

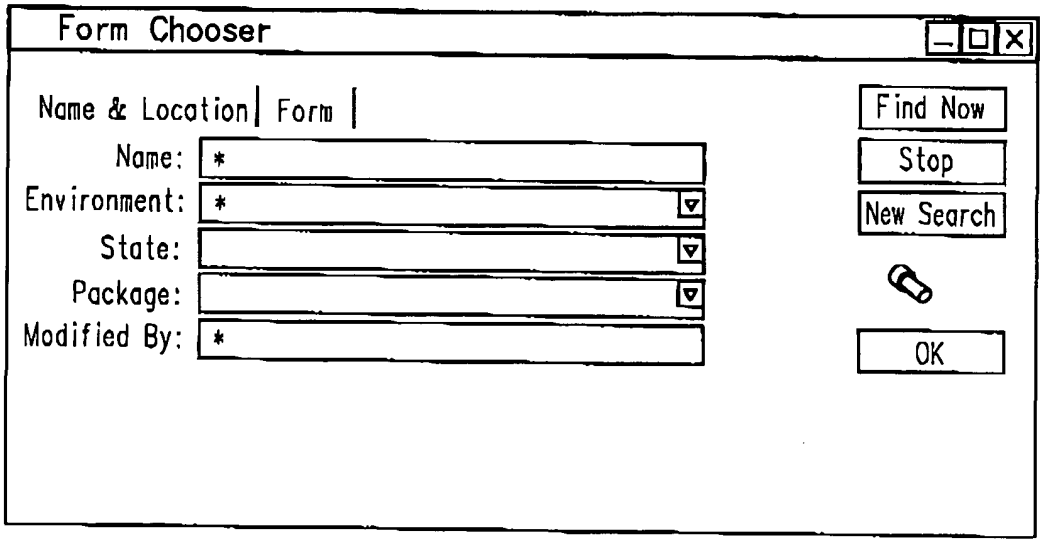

FIG. 32

MAY. 23. 2002 9:29AM NO. 4416 P. 29

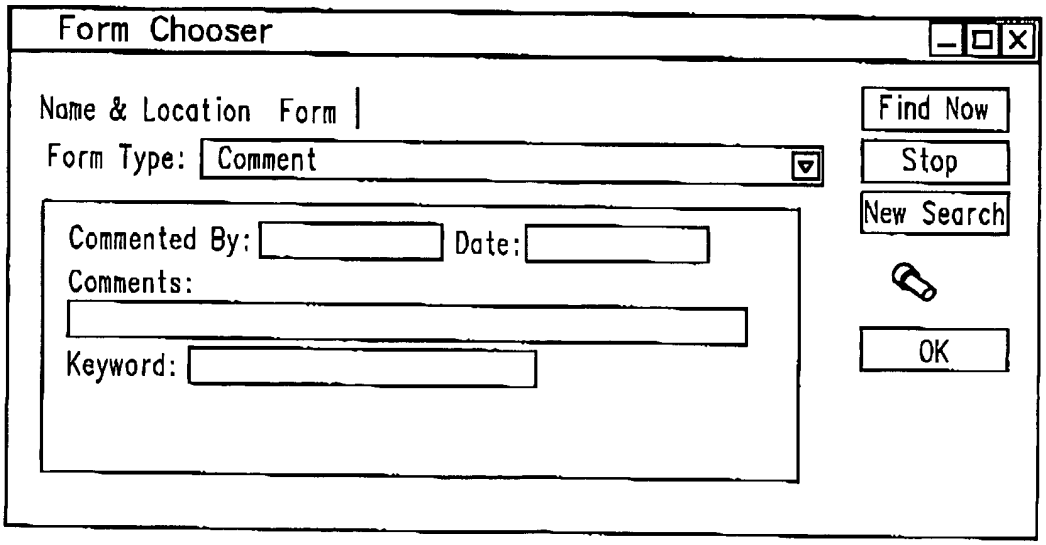
Form Chooser
Name & Location Form
Form Type: Comment
Commented By:
Date:
Comments:
Keyword:
Find Now
Stop
New Search
OK

FIG. 33

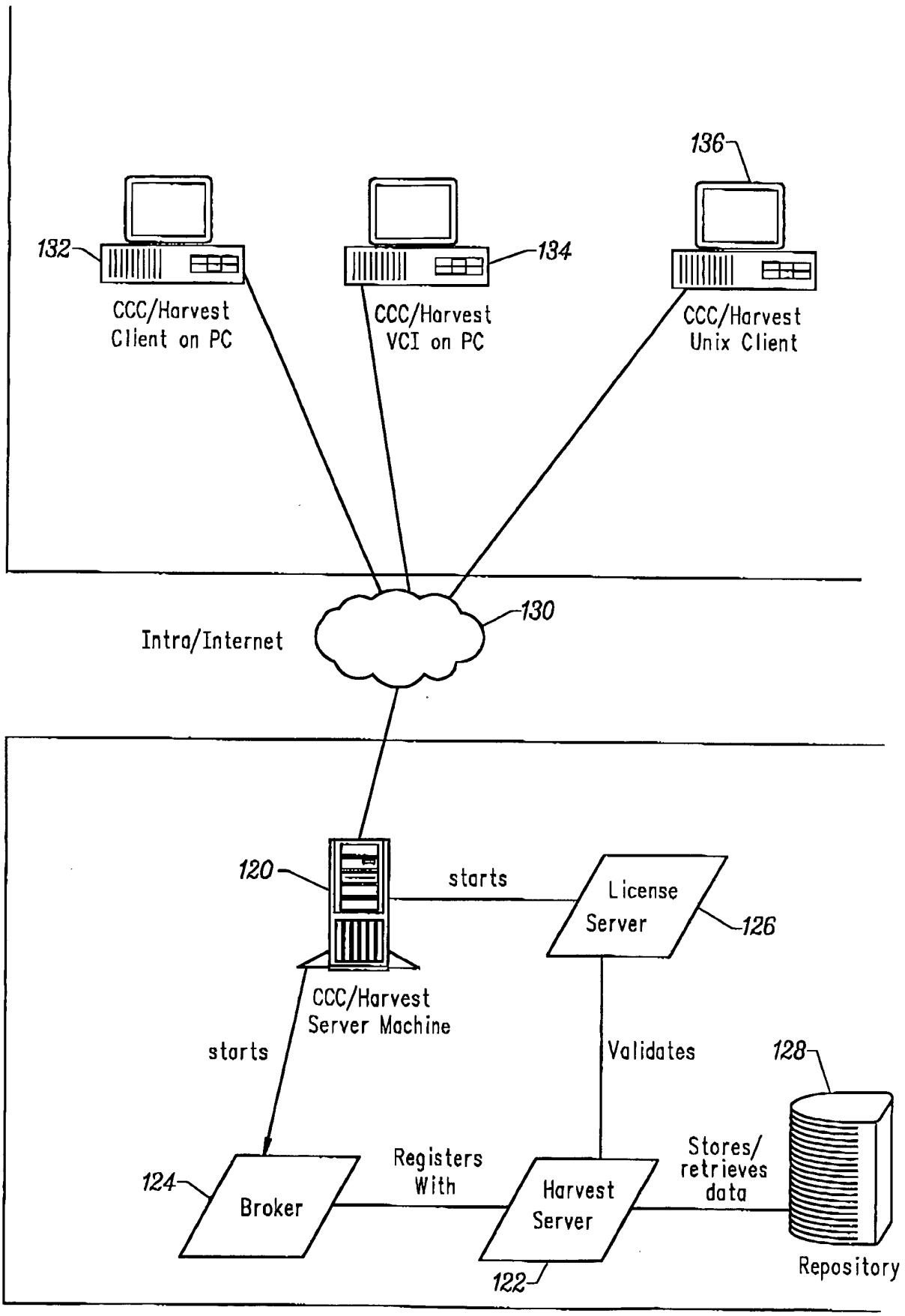
132
CCC/Harvest
Client on PC
134
CCC/Harvest
VCI on PC
136
CCC/Harvest
Unix Client
Intra/Internet
130
120
starts
License
Server
126
CCC/Harvest
Server Machine
starts
Validates
128
124
Broker
Registers
With
Harvest
Server
122
Stores/
retrieves
data
Repository

FIG. 34

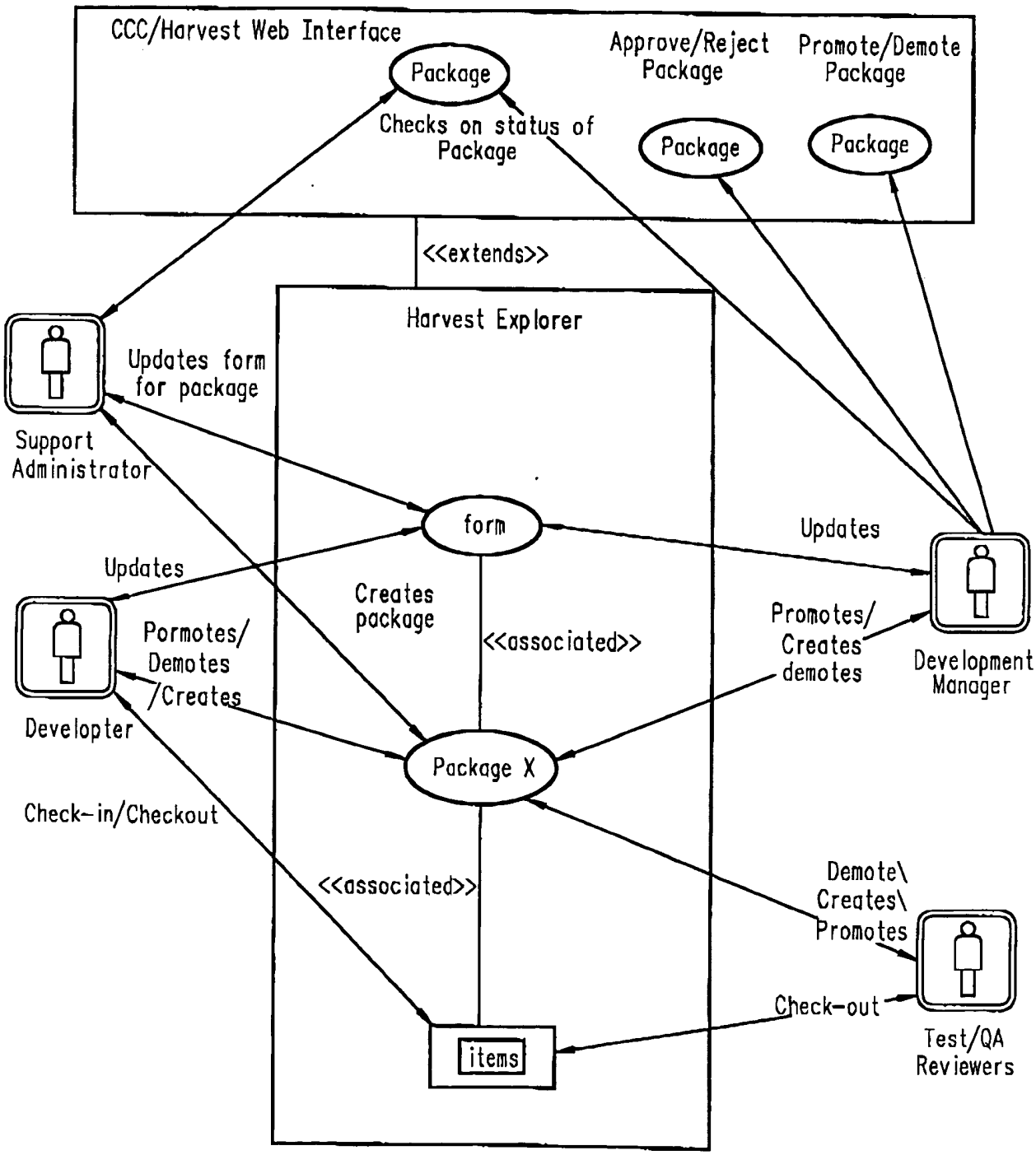
CCC/Harvest Web Interface
Package
Checks on status of Package
Approve/Reject Package
Package
Promote/Demote Package
Package
<<extends>>
Harvest Explorer
Updates form for package
Support Administrator
form
Updates
Updates
Creates package
<<associated>>
Pormotes/ Demotes /Creates
Developter
Promotes/ Creates demotes
Development Manager
Package X
Check-in/Checkout
<<associated>>
Demote\ Creates\ Promotes
Check-out
items
Test/QA Reviewers

FIG. 35

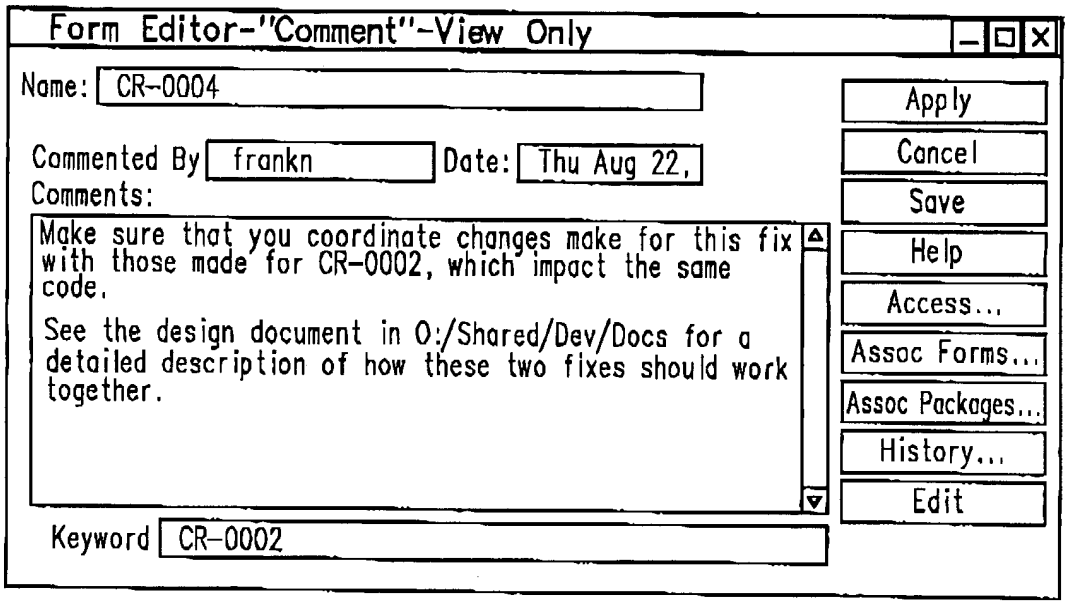
Form Editor-"Comment"-View Only
Name: CR-0004
Commented By frankn
Date: Thu Aug 22,
Comments:
Make sure that you coordinate changes make for this fix with those made for CR-0002, which impact the same code.
See the design document in O:/Shared/Dev/Docs for a detailed description of how these two fixes should work together.
Keyword CR-0002
Apply
Cancel
Save
Help
Access...
Assoc Forms...
Assoc Packages...
History...
Edit

FIG. 36A

NO. 4416 P. 34

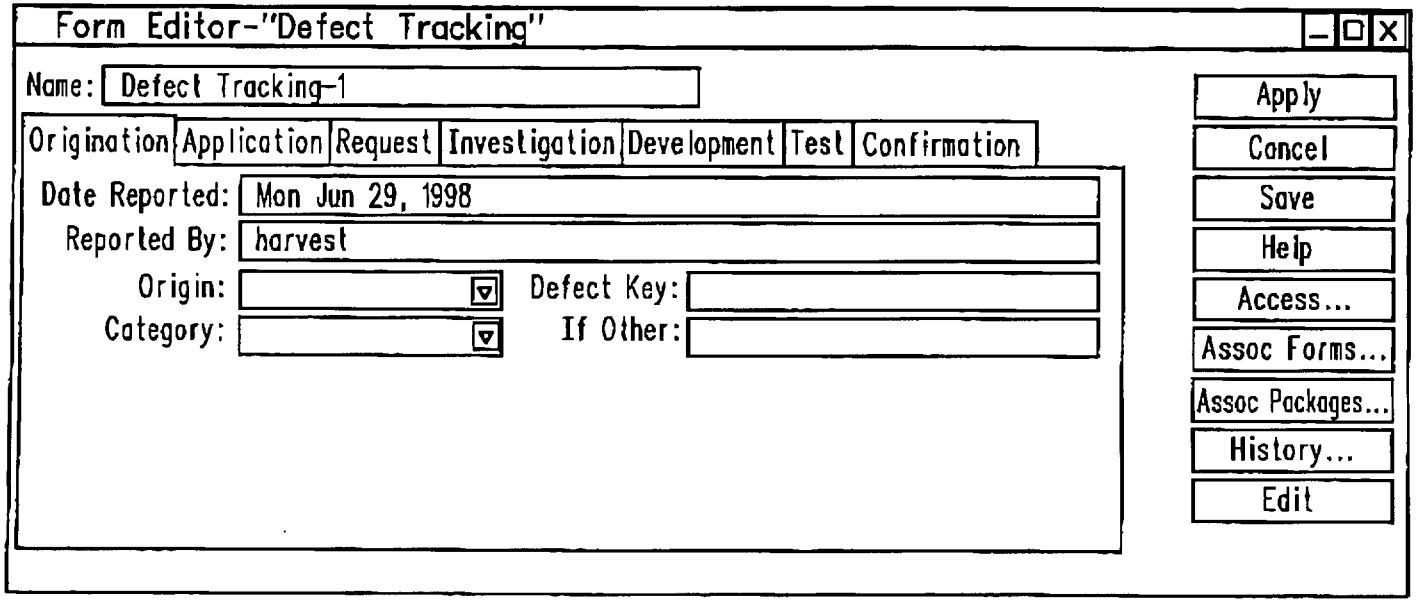

FIG. 36B

MAY. 23. 2002 9:29AM

NO. 4416 P. 35

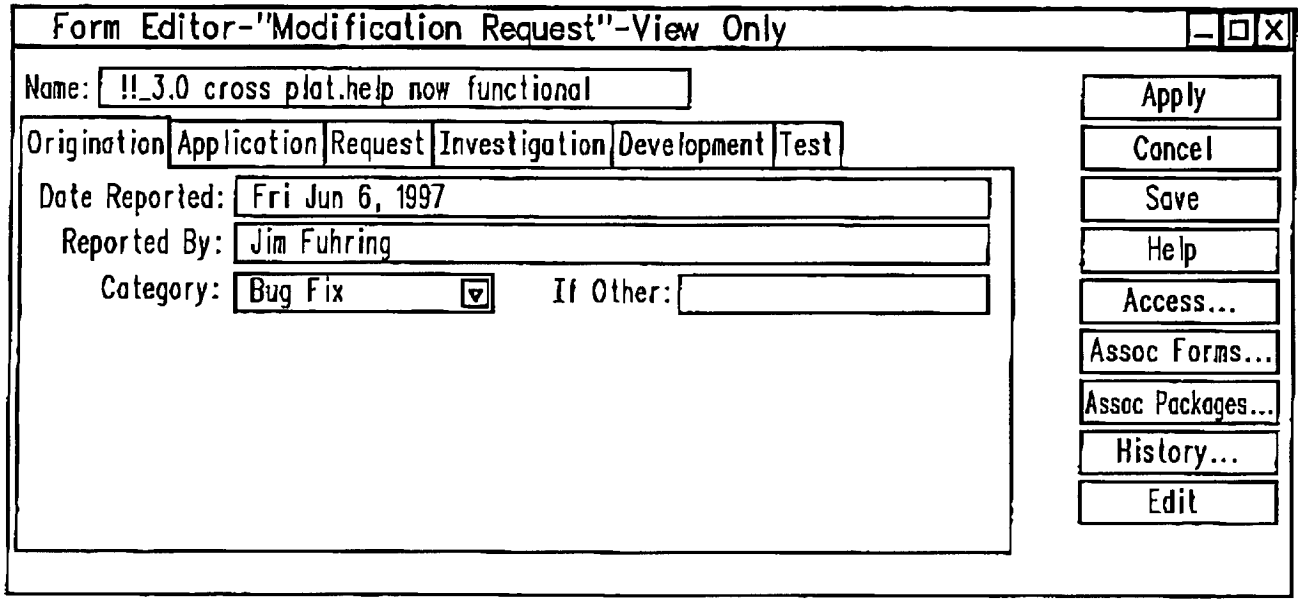

FIG. 36C

MAY. 23. 2002 9:30AM

NO. 4416 P. 36

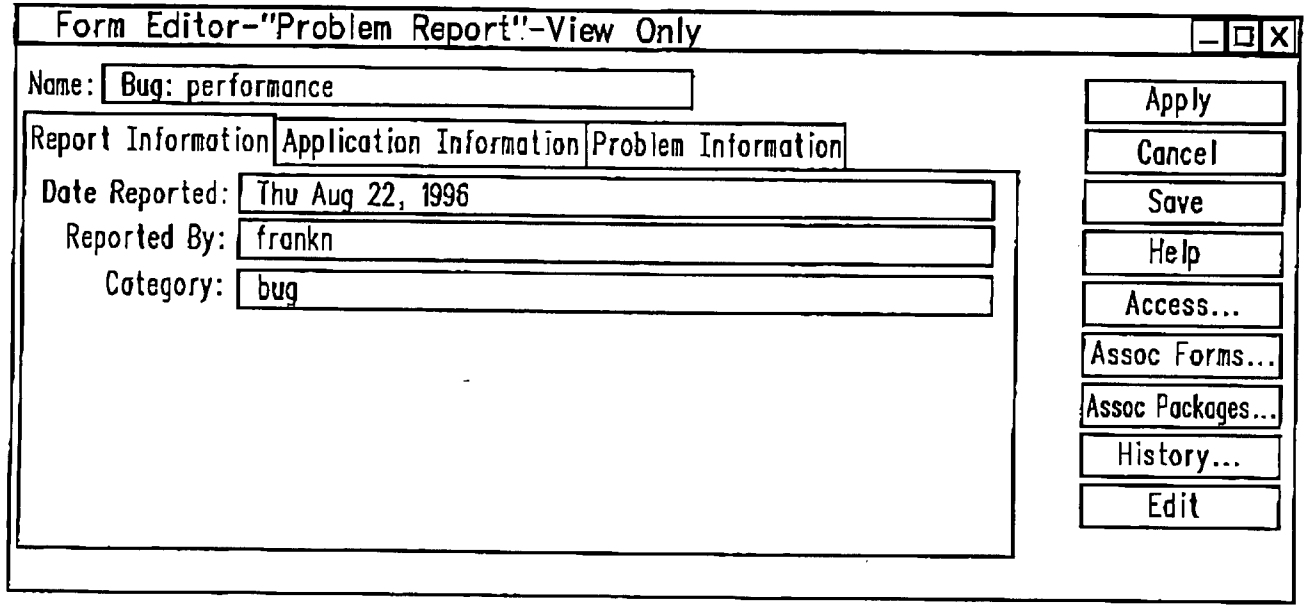

FIG. 36D

MAY. 23. 2002 9:30AM

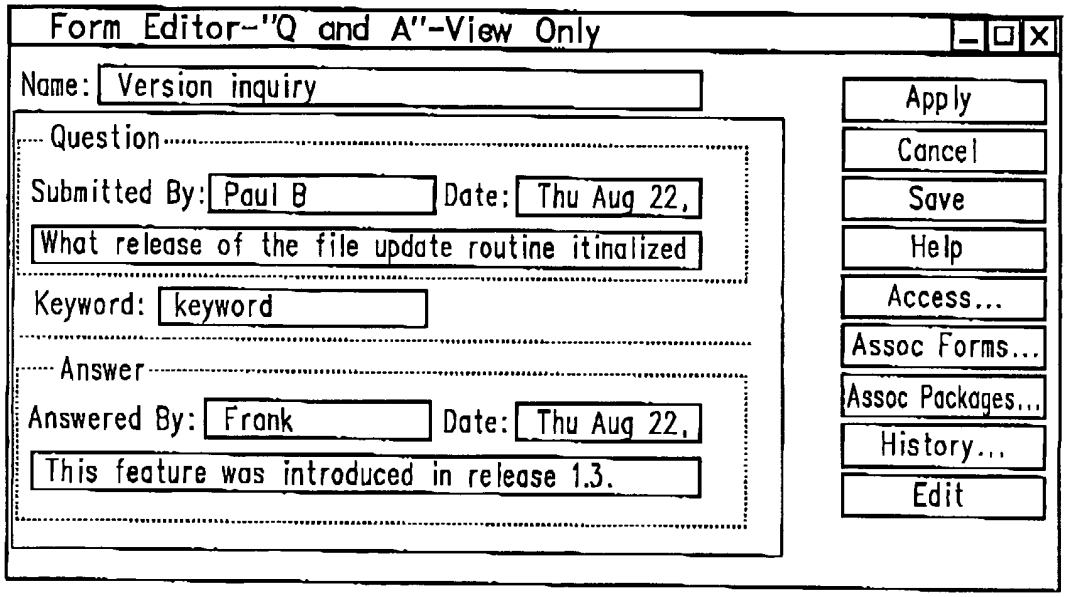

FIG. 36E

MAY. 23. 2002 9:30AM NO. 4416 P. 37

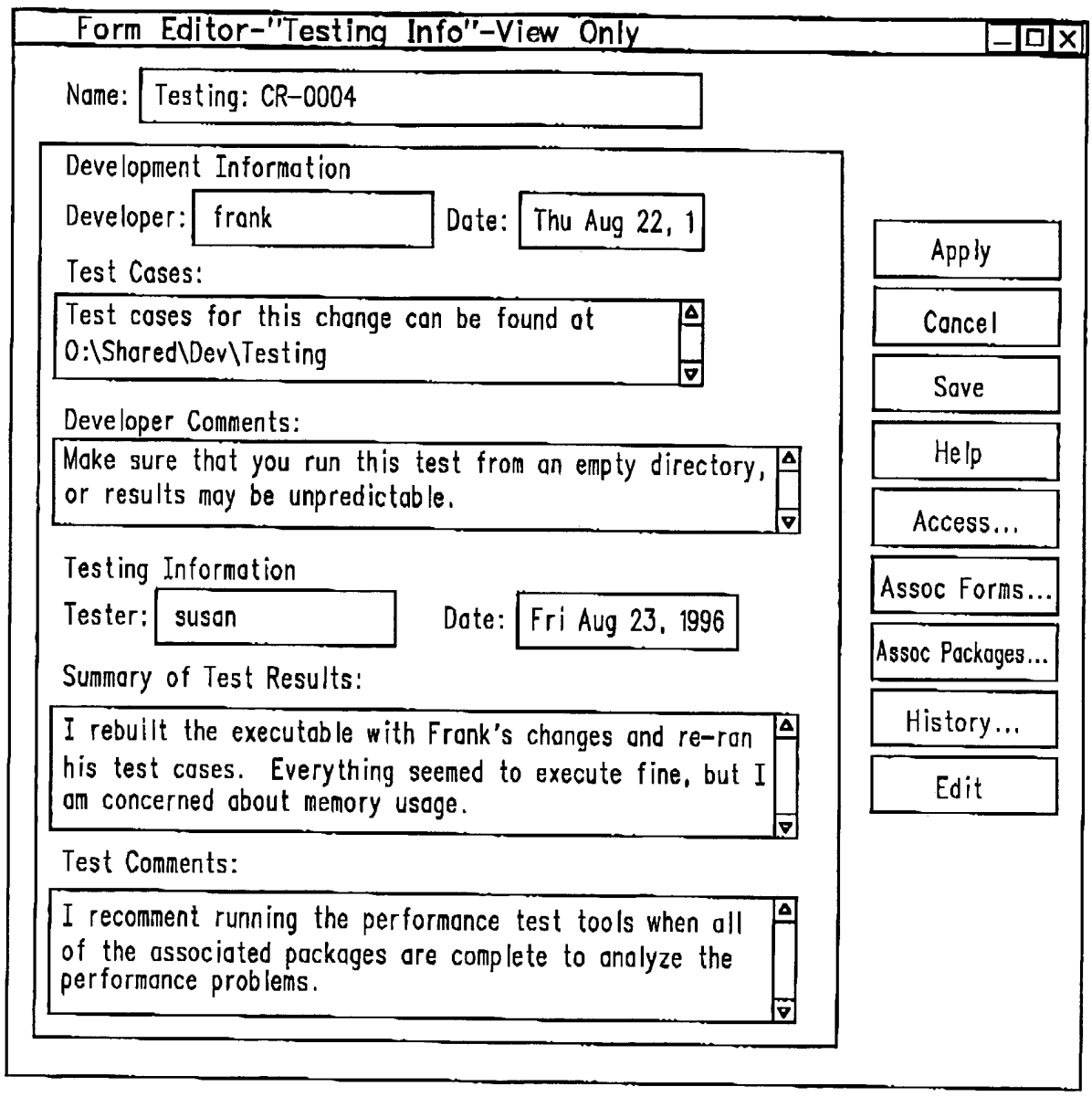

FIG. 36F

MAY. 23. 2002 9:30AM NO. 4416 P. 38

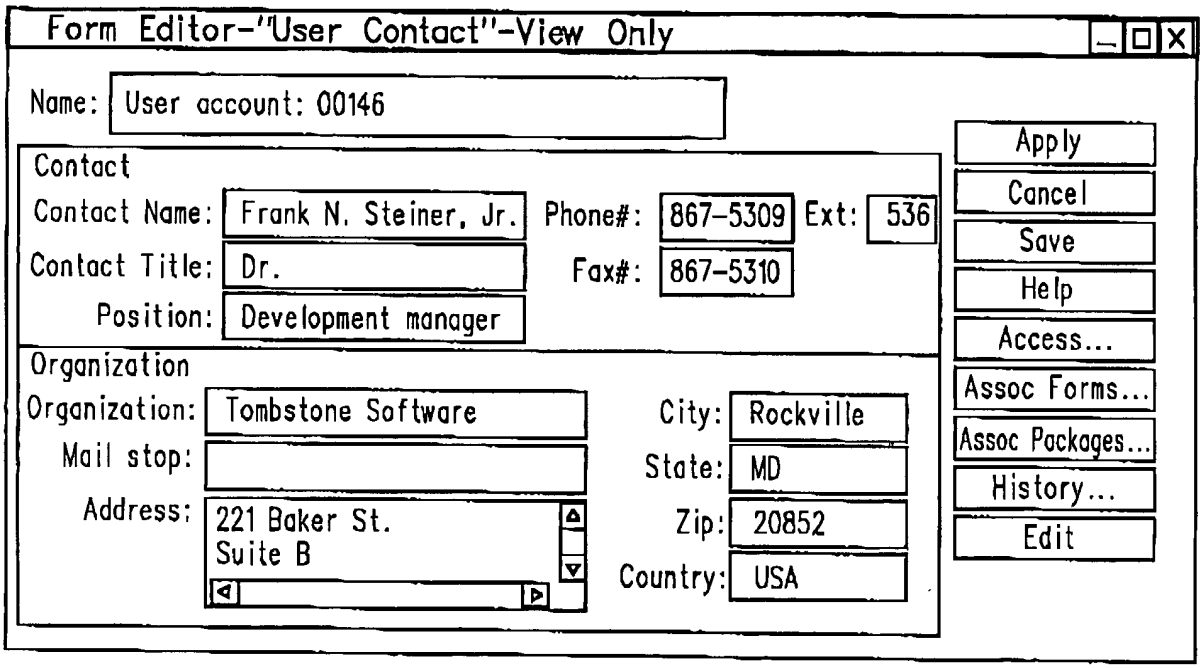
Form Editor-"User Contact"-View Only
Name: User account: 00146
Contact
Contact Name: Frank N. Steiner, Jr.
Phone#: 867-5309
Ext: 536
Contact Title: Dr.
Fax#: 867-5310
Position: Development manager
Organization
Organization: Tombstone Software
Mail stop:
Address: 221 Baker St.
Suite B
City: Rockville
State: MD
Zip: 20852
Country: USA
Apply
Cancel
Save
Help
Access...
Assoc Forms...
Assoc Packages...
History...
Edit

FIG. 36C

NO. 4416 P. 40
MAY. 23. 2002 9:30AM

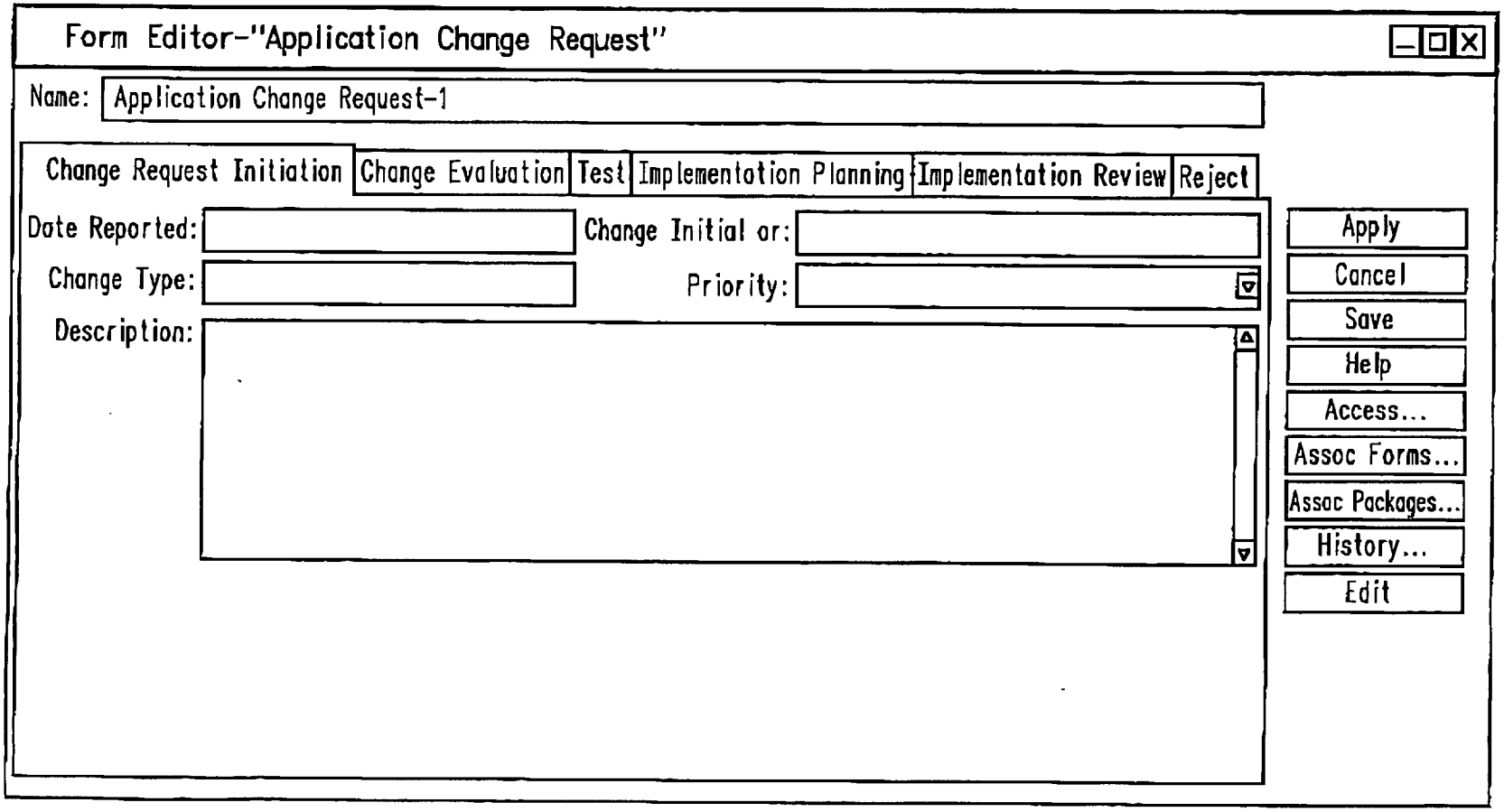

FIG. 36H

NO. 4416 P. 41
MAY. 23. 2002 9:30AM

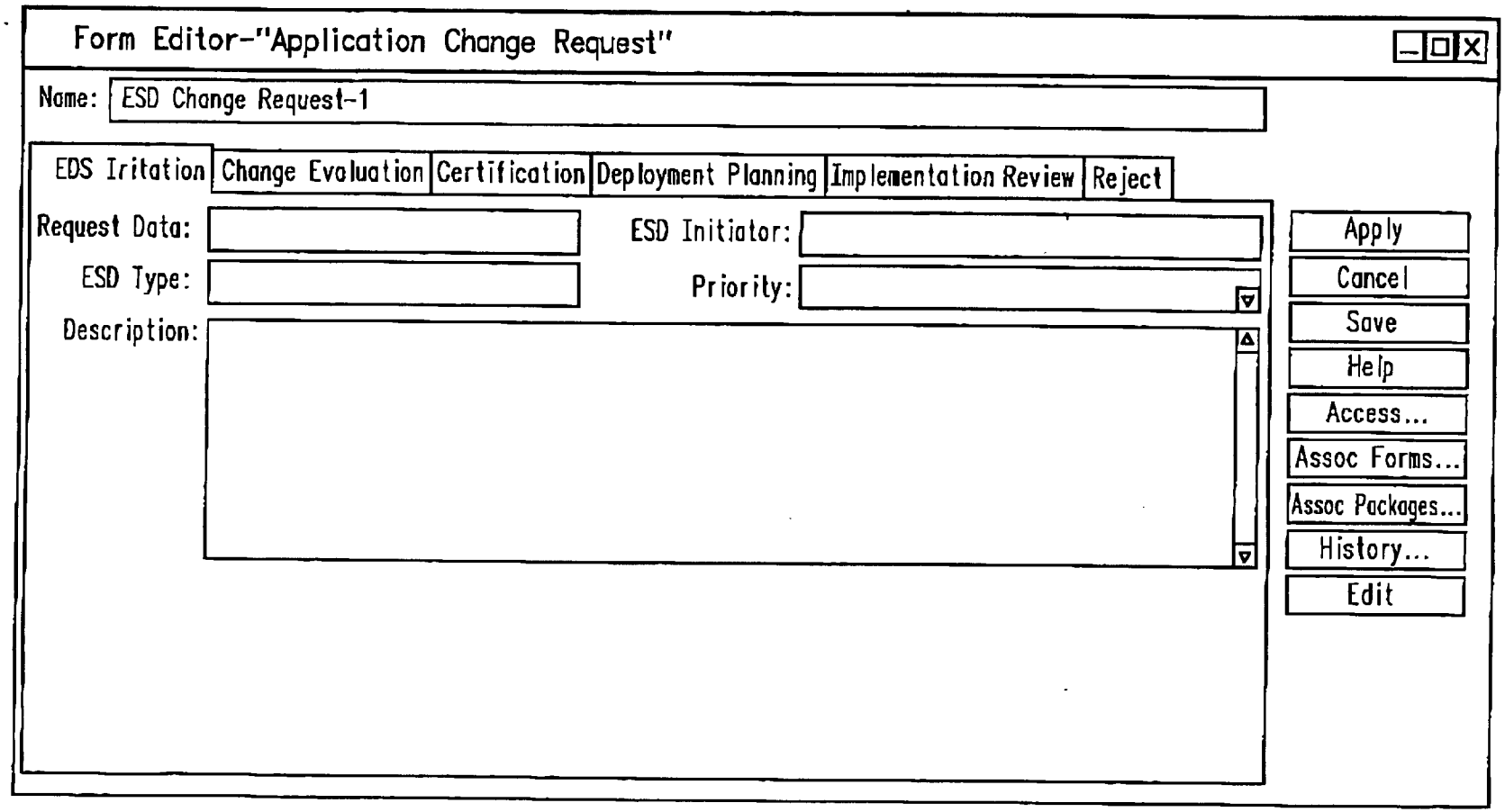

FIG. 36I